Warning

- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, COMPRESSORS AND VALVES.

JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM

EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

DAIKIN INDUSTRIES, LTD.
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07/12 Y.K.

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PCV0915A

Shaping air to your needs

VRV III

THE INTELLIGENT AIR CONDITIONING SYSTEM

Cooling Only 50 Hz
Heat Pump 50 Hz/60 Hz

A system with the high capacity needed to suit large-sized buildings

R-410A

Benefits for property **OWNERS**

With Daikin's proprietary inverter technology and cutting-edge control technology for refrigerant, the VRVIII air conditioning system operates with outstanding efficiency. This contributes to high energy savings, which greatly reduces your running costs and facilitates far better building management.

VRV III Latest individual air conditioning technology adds new real value to today's buildings

Air conditioning systems that use new refrigerant and save energy are the norm. However, we at Daikin have gone much further by maximising our advanced technology developed over 30 years as the leading manufacturer of individual air conditioning systems. Not only top level air conditioning performance, we also offer minimal space utilisation, efficient building management and a multitude of other added value features.

Benefits for **USERS**

To provide a comfortable air environment, Daikin offers air treatment systems beyond mere air conditioning. As well as bringing air to a comfortable temperature, the air quality can be treated with ventilation, humidification, and other processes. Ease of use is realised through advanced, centralised control systems.

Benefits for **INSTALLERS**

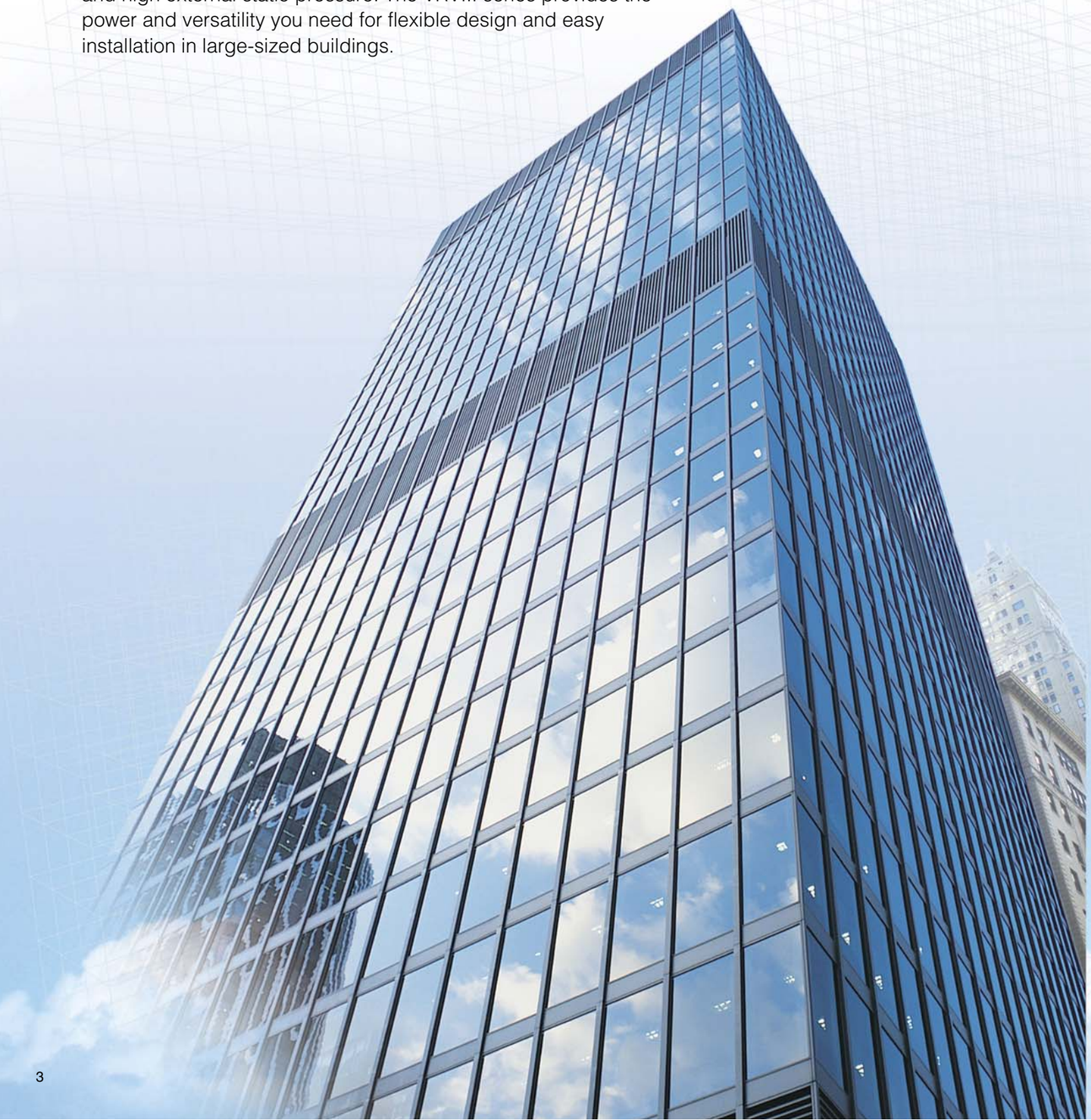
Daikin offers a compact design for VRVIII outdoor units by further optimising equipment functions, exceeding the norm for air conditioning systems. Compact units facilitate installation in limited areas, such as rooftops, and take up less effective space. Easier installation work realises fast completion with time to spare.

Benefits for **CONSULTANT** and **DESIGN OFFICES**

Daikin’s VRV systems include indoor and outdoor units available in a wide range of models for various building sizes and installation conditions. Long refrigerant piping lengths and other features put few restrictions on design for great flexibility in meeting the needs of the building.

VRVIII — Developed to facilitate more flexible system design in large-sized buildings

Daikin proudly introduces the VRVIII series, which is well-suited to large-sized buildings. This air conditioning system provides outdoor units that extend air conditioning capacity up to 54 HP. It also incorporates numerous outstanding features, such as a wide range of outdoor and indoor units, longer actual and total piping length, and high external static pressure. The VRVIII series provides the power and versatility you need for flexible design and easy installation in large-sized buildings.



- Outdoor units with large capacities.....page 7
- Wide range and an increased number of connectable indoor units.....page 9
- Extended actual and total maximum piping length.....page 10
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Easier installation.....page12
- Automatic test operation

A sense of responsibility.....page13
- High COPs/Energy savings
- Compliant with the RoHS Directive
- Double backup operation in compressors and units
- Less possibility of refrigerant leakage

Enhanced comfort.....page14
- Outdoor units designed for low-sound operation
- Efficient compressor
- Nighttime quiet operation function

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VRV III—Created to respond to the needs of large-sized buildings

Daikin's constant efforts have been devoted towards using the latest and most revolutionary technologies in the development of the VRVIII system for large-sized buildings. The system offers larger outdoor capacities, greater energy savings, easier installation, longer actual and total piping, and more.

1 Improved fans and grilles

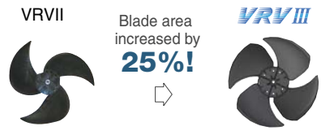
A higher external static pressure has been achieved–from 58. 8 Pa to 78.4 Pa–thanks to reduced internal pressure loss, use of self developed fans and grilles.

Aero spiral fan and aero asymmetrical fan

The area of the fan blades has been increased and optimised for each casing. This greatly reduces pressure loss, resulting in a higher external static pressure.

Aero asymmetrical fan

The three-bladed fan on the 10 HP unit, with a diameter of 700 mm, has been redesigned to include four blades and now has a diameter of 680 mm. Blade area has been increased by 25%.



Diameter of **700 mm** Diameter of **680 mm**

Aero spiral fan (Powerful Dual DC fan)

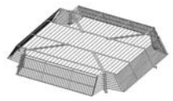
In the 14 and 16 HP unit, a single fan with a diameter of 700 mm has been split into two fans with diameters of 540 mm each. Blade area has been increased by 20% to increase airflow.

Diameter of **700 mm** Diameter of **540 mm x 2**

Aero smooth grille

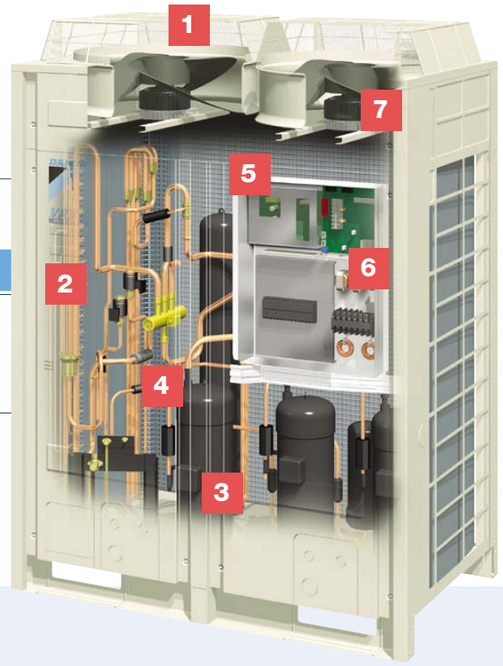
The three-dimensional, integrated, soft woven steel grilles are covered with a plastic coating that protects them from rotating elements and the possibility of fire damage.

Perspective view



2 Heat exchanger

This heat exchanger contributes to a high COP because of an increase from 7% to 10% of the effective length as well as an optimised e-Pass heat exchanger.



3 Improving the high efficiency compressor to achieve a high COP and larger capacity

Reluctance DC scroll compressor

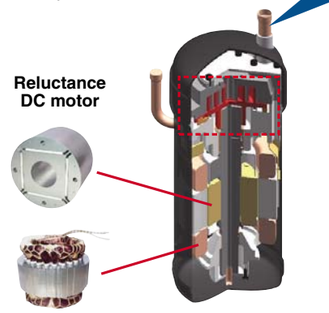
Daikin's unique scroll compressor reduces heat loss, and is driven by a high efficiency motor to achieve significant energy savings.

High torque and efficiency is attained with the adoption of neodymium magnets.

Powerful magnets

Use of neodymium magnets in the motor enables efficient generation of high torque.

Neodymium magnets are well known for their powerfulness compared to commonly used ferrite magnets.



High-performance, low-noise scroll compressor operates at a faster rate. The speed increase has been achieved through advanced stress analysis for increased strength and utilisation of the advantages (oil film control) of the high thrust mechanism*.

***High thrust mechanism**

By introducing high pressure oil, the reactive force from the fixed scroll is added to the internal force, thereby reducing thrust losses. This results in improved efficiency and suppressed sound levels.

4 Heat transfer circuit

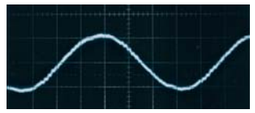
By performing super cooling before the expansion process, the volume of refrigerant that needs to be circulated to the indoor units can be reduced without lowering the evaporation temperature. This permits the use of narrower piping.

5 Compact aero box

Realises a compact casing by stacking the Inverter and control PCBs plus optimising the internal design to suit airflow speed. This achieves lower noise and reduces the power required by the large-diameter fanned outdoor unit.

6 Smooth sine wave DC Inverter

By adoption of the Sine Wave, which smoothes the rotation of the motor, operation efficiency is improved sharply.

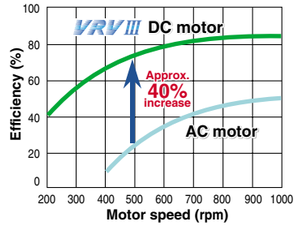


7 DC fan motor

- Across entire range of models (from 5 to 54 HP).
- Efficiency improvement by approximately 40% especially at low speed.

DC fan motor structure

DC motor efficiency
(comparison with AC motor)



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

Major advances of the VRVIII over the VRVII for large-sized buildings

The latest technology is implemented in the VRVIII system. Surpassing even the VRVII, the VRVIII responds to more of the needs of our customers that require air-conditioning solutions for large-sized buildings.

Large capacities for large-sized buildings

Outdoor units

▪Offering a higher capacity of up to 54 HP, responding to the needs of large-sized buildings

The previous outdoor unit had a maximum output of 48 HP. The VRVIII has a top output of 54 HP! By connecting main units (up to 18 HP each), a high-capacity system (up to 54 HP) that is compact yet flexible can be achieved.

VRVII
MA series
48 HP ⇨ VRVIII 54 HP

▪2 HP increments

By providing a range of horse power levels in 2 HP increments*, Daikin responds flexibly to customer needs.

* Except for 5 HP

5 HP

8, 10 HP

12, 14, 16, 18 HP

20, 22, 24, 26, 28 HP

30, 32, 34, 36 HP

38, 40, 42, 44, 46 HP

48, 50, 52, 54 HP

* Refer to page 26 for combination details.

Large capacities for large-sized buildings

Indoor units

Daikin's indoor unit system offers a large number of connectable indoor units—64! Furthermore, our wide range of indoor units includes 15 types and 73 models* to meet the needs of customers.

Type	Model Name		20	25	32	40	50	63	80	100	125	140	200	250
		Capacity Range	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP
		Capacity Index	20	25	31.25	40	50	62.5	80	100	125	140	200	250
Ceiling Mounted Cassette (Round Flow)	FXFQ-PVE			●	●	●	●	●	●	●	●			
Ceiling Mounted Cassette (Compact Multi Flow)	FXZQ-MVE		●	●	●	●	●							
Ceiling Mounted Cassette (Double Flow)	FXCQ-MVE		●	●	●	●	●	●	●		●			
Ceiling Mounted Cassette Corner	FXKQ-MAVE			●	●	●		●						
Slim Ceiling Mounted Duct	FXDQ-PBVE (with drain pump)		●	●	●									
	FXDQ-PBVET (without drain pump)	(700 mm width type)	●	●	●									
	FXDQ-NBVE (with drain pump)					●	●	●						
	FXDQ-NBVET (without drain pump)	(900/1,100 mm width type)				●	●	●						
Ceiling Mounted Duct	FXMQ-PVE		●	●	●	●	●	●	●	●	●	●		
	FXMQ-MAVE												●	●
Ceiling Suspended	FXHQ-MAVE				●			●		●				
Wall Mounted	New FXAQ-PVE		New	New	New	New	New	New						
Floor Standing	FXLQ-MAVE		●	●	●	●	●	●						
Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●						

Note: R-410A VRV system indoor units are not compatible with the R-22 VRV system.

* 14 types and 70 models for 60 Hz specifications.

Connection unit series indoor units (50 Hz only)

Type	Model Name		20	25	32	40	50	71	100	125
		Capacity Range	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	3 HP	4 HP	5 HP
		Capacity Index	20	25	31.25	40	50	71	100	125
		Connection Unit	—					BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Ceiling Suspended Cassette	FXUQ-MAV1							●	●	●

Note: BEV units are necessary for Connection unit series indoor units. Refer to the Engineering Data Book for details.

Large capacities for large-sized buildings

An increased number of connectable indoor units

The number of connectable indoor units has been drastically increased from 40 to 64!

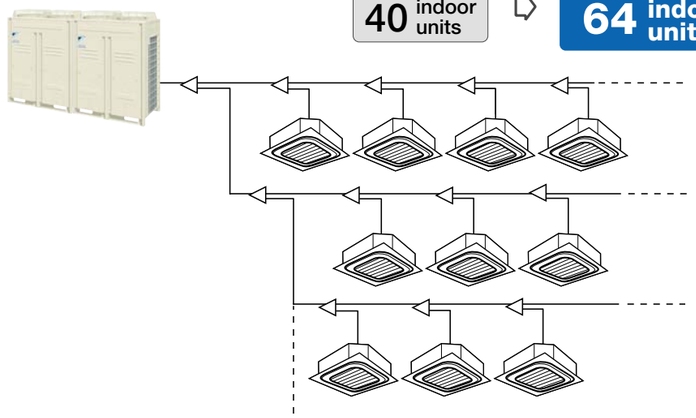
Increased indoor unit connections

Maximum number of connectable indoor units

VRVII
MA series
Up to **40** indoor units

⇨

VRV III
Up to **64** indoor units



Refer to page 26 for the maximum number of connectable indoor units.

Connection ratio

Connection capacity at maximum is 200%.

Connection ratio
50%–200%

Connection ratio =

$$\frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

Conditions of indoor unit connection capacity

Applicable indoor units	FXDQ, FXMQ-P, FXAQ models	Other indoor unit models*
Single outdoor units	200%	200%
Double outdoor units		160%
Triple outdoor units		130%

* For the FXFQ25 models, maximum connection ratio is 130% for the entire range of outdoor units.

Note: If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.

Large capacities for large-sized buildings

Extended long piping length

Piping length is drastically extended! The long piping length provides more design flexibility, which can match even large-sized buildings.

Max. actual piping length

VRVII MA series **150 m** ⇨ VRV III **165 m**

Max. equivalent piping length

VRVII MA series **175 m** ⇨ VRV III **190 m**

Max. total piping length

VRVII MA series **510 m** ⇨ VRV III **1000 m**

Max. level difference between the outdoor units and the indoor units

VRV III

RX(Y)Q8P(A)-54P(A)
Outdoor unit above indoor unit: **90 m** ⋆2
Outdoor unit below indoor unit: **90 m**

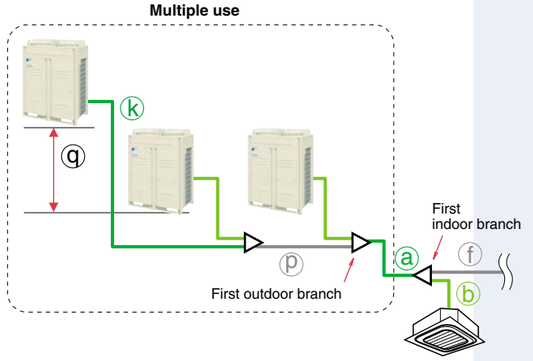
VRVII MA series
Outdoor unit above indoor unit: **50 m**
Outdoor unit below indoor unit: **40 m**

⇨

RX(Y)Q5P(A)
Outdoor unit above indoor unit: **50 m**
Outdoor unit below indoor unit: **40 m**

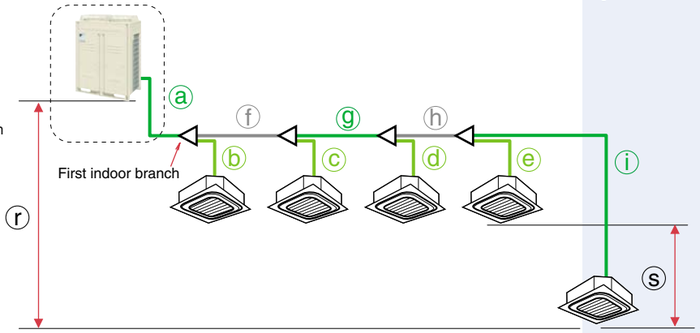
⋆2. Level differences above 50 m are available on request.

Multiple use



*The rest of indoor units are the same as for single use.

Single use



Colours in the diagram above are merely for identifying pipes referenced with symbols such as ⓐ.

		Actual piping length	Example	Equivalent piping length
Maximum allowable piping length	Refrigerant piping length	**165** m	a+f+g+h+i	**190** m
	Total piping length	**1000** m	a+b+c+d+e+f+g+h+i	—
	Between the first indoor branch and the farthest indoor unit	**90** m⋆1	f+g+h+i	—
	Between the outdoor branch and the last outdoor unit	**10** m	k+p	**13** m

			Level Difference	Example	Outdoor Units
Maximum allowable level difference	Between the outdoor units (Multiple use)		**5** m	q	RX(Y)Q8P(A)-54P(A)
	Between the indoor units		**15** m	s	—
	Between the outdoor units and the indoor units	If the outdoor unit is above.	⋆2 Available on request **90** m	r	RX(Y)Q8P(A)-54P(A)
		If the outdoor unit is below.	**90** m	r	
		If the outdoor unit is above.	**50** m	r	RX(Y)Q5P(A)
		If the outdoor unit is below.	**40** m	r	

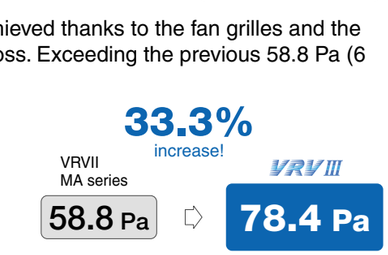
⋆1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length. Be sure to refer to the Engineering Data Book for details of these conditions and requirements.

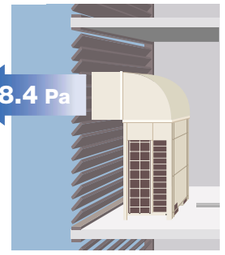
⋆2. Level differences above 50 m are not supported by default but are available on request for RX(Y)Q8P(A)-54P(A) (If the outdoor unit is above the indoor unit).

Large capacities for large-sized buildings

High external static pressure 78.4 Pa (8 mm H_2O)

Higher external static pressure has been achieved thanks to the fan grilles and the dual DC fans that reduce internal pressure loss. Exceeding the previous 58.8 Pa (6 mm H_2O) level, Daikin now offers 78.4 Pa (8 mm H_2O) external static pressure by field setting to meet the requirements for installation on each floor, often requested for large-sized buildings.





Easier installation

Automatic test operation

Simply press the test operation button and the unit performs an automatic system check, including wiring, shutoff valves, and sensors. The results are returned automatically after the check finishes.

Selectable from two types of combinations

Normal type (Space saving type)

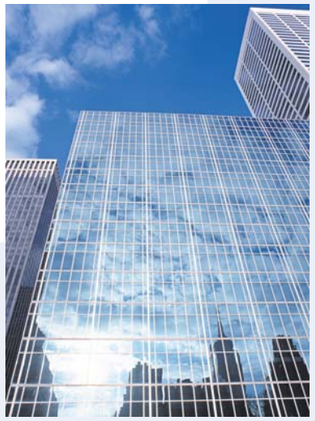
Single unit \ HP	Single outdoor units							Double outdoor units										Double outdoor units									Triple outdoor units								
	5	8	10	12	14	16	18	20	22	24	26		28	30	32	34	36	38	40	42	44	46	48	50	52	54
5	●																									
8		●						●		●	●							●	●	●	●					
10			●						●				●									●				
12				●				●	●					●				●					●			
14					●																			●		
16						●				●					●●	●			●●	●					●	
18							●				●		●	●		●	●●	●		●	●●	●●	●●	●●	●●	●●●
Total number of connected outdoor units	1	1	1	1	1	1	1	2	2	2	2		2	2	2	2	2	3	3	3	3	3	3	3	3	3

* Refer to page 26 for outdoor combination details.

High-COP type (Energy saving type)

Single unit \ HP	Double outdoor units		Triple outdoor units									Triple outdoor units					
	16	18	24	26	28	30	32	34	36	38		40	42	44	46	48	50
8	●●	●	●●●	●●	●●	●	●										
10		●		●		●		●									
12					●	●	●●	●●	●●●	●●		●●	●●	●	●		
14										●							
16												●		●●	●	●●●	●●
18													●		●		●
Total number of connected outdoor units	2	2	3	3	3	3	3	3	3	3		3	3	3	3	3	3

* Refer to page 26 for outdoor combination details.



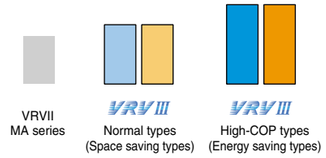
A sense of responsibility

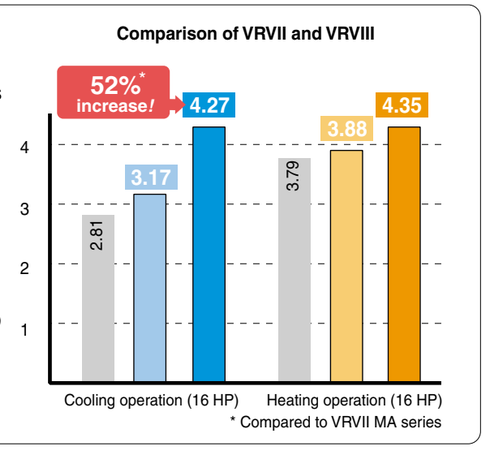
High COPs

It has become essential for air conditioning manufacturers to develop systems that provide high energy savings. We at Daikin have made great efforts in this field, and the VRVIII delivers highly efficient performance, contributing to high energy savings.

Achieving a high COP

We have reached a higher level of efficiency, thanks to advanced features such as the heat exchanger, the grille and the dual DC fans.





- Cooling operating conditions: Indoor temp. of 27°CDB, 19.0 °CWB, and outdoor temp. of 35°CDB.
- Heating operating conditions: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

Compliant with the RoHS Directive*

We have been making efforts to facilitate the transition to using RoHS Directive*-compliant materials for system parts.

* RoHS Directive
The RoHS (Restriction of Hazardous Substances (in electrical and electronic equipment)) Directive is an environmental directive enacted to regulate the use of designated chemical substances (lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls and polybrominated diphenylether) in electrical equipment. All household products subject to this Directive and sold in Europe from July 1, 2006 are legally bound to comply with the RoHS Directive.

Double backup operation in compressors and units

- If one of the multiple compressors in a single outdoor unit system malfunctions, the other compressors take over emergency operation.*1
- If one of the unit in a multiple outdoor system malfunctions, the other outdoor units provide emergency operation*2 until repairs can be made.

If one compressor malfunctions...

Emergency operation occurs.*1

If one outdoor unit malfunctions...

Emergency operation occurs.*2

Emergency operation can be easily started by remote control of the indoor unit.*2

*1. Possible only with single outdoor unit systems that are equipped with two or more compressors. Local setting of the outdoor unit is necessary.
*2. For systems composed of two or more outdoor units

Less possibility of refrigerant leakage

Conventionally, shutoff valve connections are flanged or flared. In the VRVIII system, the connections for all outdoor units are brazed, meaning less possibility of refrigerant leakage.

Enhanced comfort

Outdoor units designed for low-sound operation

Outdoor units created with cutting-edge technologies provide quiet operation to increase users' comfort.

Efficient compressor

High-performance, low-sound scroll compressor operates at a faster rate, reducing start-up time. This helps the unit to bring the room temperature up to the set level quickly.

Nighttime quiet operation function

Operation sound level selectable from 3 steps for the night mode

Mode 1. Automatic mode

Set on the outdoor PCB. Time of maximum temperature is memorised. The low operating mode will initiate 8 hours*1 after the peak temperature in the daytime, and normal operation will resume 10 hours*2 after that. The operation sound level for the night mode can be selected from 55 dB(A) (Step 1), 50 dB(A) (Step 2) and 45 dB(A) (Step 3). (For a single outdoor unit.)

Mode 2. Manual mode

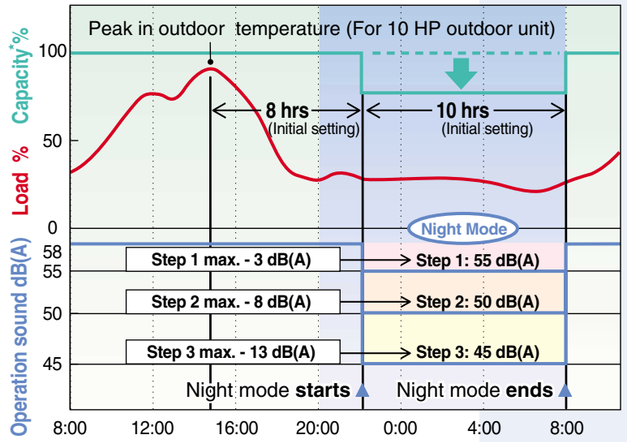
Starting time and ending time can be input. (An external control adaptor for outdoor unit, DTA104A53/61/62, and a locally obtained timer are necessary.)

Mode 3. Combined mode

Combinations of modes 1 and 2 can be used depending on your needs.

*1. Initial setting. Can be selected from 6, 8 and 10 hours.
*2. Initial setting. Can be selected from 8, 9 and 10 hours.

Mode 1. Automatic mode



Notes: • This function is available in setting at site.
• The relationship of outdoor temperature (load) and time shown in the graph is just an example.

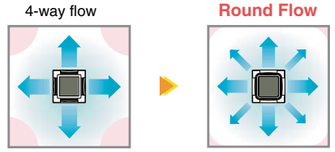
* The capacity reduction rate differs depending on the operation sound level step selected.

Ceiling Mounted Cassette (Round Flow) Type

FXFQ25P/FXFQ32P/FXFQ40P
FXFQ50P/FXFQ63P/FXFQ80P
FXFQ100P/FXFQ125P

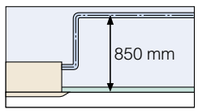
360° airflow improves temperature distribution and offers a comfortable living environment.

- The industry's first* Round Flow Ceiling Mounted Cassette type offers 360° airflow with improved temperature distribution.

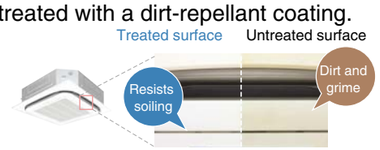


* As of April 2004, the release date for Japan.

- All models are lighter than the conventional ones. Ex: Models FXFQ25P-50P are 4.5 kg lighter (reduced from 24 kg to 19.5 kg).
- Drain pump is equipped as standard accessory, and the lift height has been improved from 750 mm to 850 mm.



- A modern sophisticated decoration panel has been applied, with a panel surface that has been treated with a dirt-repellant coating.



• Condition after exposure to the smoke of 600 cigarettes in 1 m^3 enclosed space.

- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level

(dB(A))

FXFQ-P	25/32	40	50	63	80	100	125
Sound level (HH/H/L)	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34

- An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.
- The horizontal louvres prevent dew condensation. Their non-flocking surfaces, which repel dirt, are easy to clean.
- The air filter has an anti-mould and antibacterial treatment that prevents the growth of mould generated from dust or moisture that may adhere to the filter.

- Example of airflow patterns:
  360° airflow is available, as well as 2- to 4-way flows, so you can choose the most suitable airflow pattern depending on location or room layout.

Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing member (option) must be used to close each unused outlet.

Ceiling Mounted Cassette (Compact Multi Flow) Type

FXZQ20M/FXZQ25M/FXZQ32M
FXZQ40M/FXZQ50M

Quiet, compact, and designed for user comfort

- Dimensions correspond with 600 mm × 600 mm architectural module ceiling design specifications.
- Low operation sound level

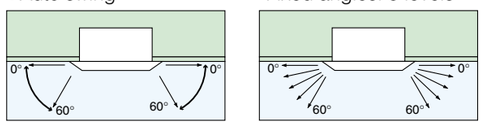
(dB(A))

FXZQ-M		20/25	32	40	50
Sound level (H/L)	230 V	30/25	32/26	36/28	41/33
	240 V	32/26	34/28	37/29	42/35

- Comfortable airflow

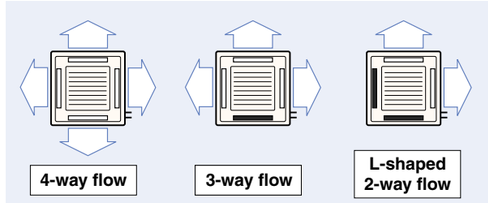
1. Wide discharge angle: 0° to 60°

• Auto swing • Fixed angles: 5 levels



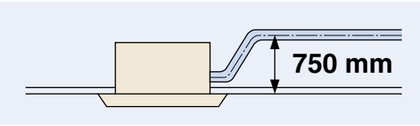
*Angles can be also set on site to prevent drafts (0°-35°) or soiling of the ceiling (25°-60°), other than standard setting (0°-60°).

2. 2-, 3-, and 4-way airflow patterns are available, enabling installation in the corner of a room.



*For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close each unused outlet.

- Drain pump is equipped as standard accessory with 750 mm lift.

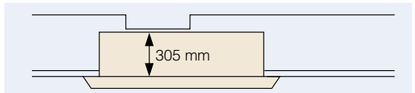


Ceiling Mounted Cassette (Double Flow) Type

FXCQ20M/FXCQ25M/FXCQ32M
FXCQ40M/FXCQ50M/FXCQ63M
FXCQ80M/FXCQ125M

Thin, lightweight, and easy to install in narrow ceiling spaces

- The thin unit (only 305 mm high) can be installed in a ceiling space as narrow as 350 mm. All models feature a compact design with a depth of only 600 mm.



(When a high-efficiency filter is attached, the unit's height is 400 mm.)

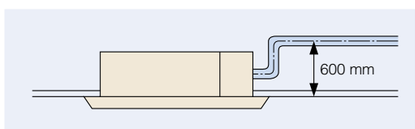
- Low operation sound level (dB(A))

FXCQ-M		20	25/32	40/50	63	80	125
Sound level (H/L)	220 V	32/27	34/28	34/29	37/32	39/34	44/38
	240 V	34/29	36/30	37/32	39/34	41/36	46/40

- Designed with higher airflow suitable for high ceiling application up to 3 metres.

- Providing 2 different settings of standard and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.

- Drain pump is equipped as standard accessory with 600 mm lift.



- Two types of optional high-efficiency filter are available (65% and 95%, colourimetric method).

- A long-life filter (maintenance free up to one year*) is equipped as standard accessory.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3

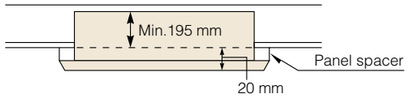
- Major maintenance work can be performed by removing the panel. A flat-type suction grille and a detachable blade make cleaning easy.

Ceiling Mounted Cassette Corner Type

FXKQ25MA/FXKQ32MA
FXKQ40MA/FXKQ63MA

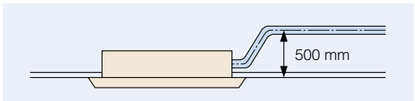
Slim design for flexible installation

- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (option), the unit can be installed in the minimum space of 195 mm.

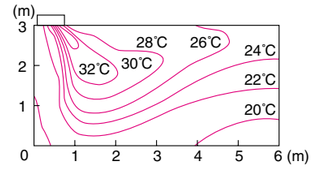


- Single-flow type allows effective air discharge from corner or from drop-ceiling.

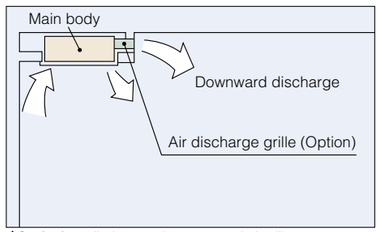
- Drain pump is equipped as standard accessory with 500 mm lift.



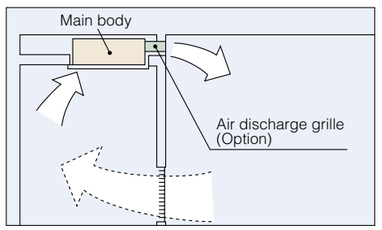
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism realises even distribution of airflow and room temperature.



- Front discharge is possible with an air discharge unit (option), which allows the installation in the drop-ceiling or sagging wall.



*Set for front discharge using a suspended ceiling.



*Downward discharge is shut off and air is blown straight out (front discharge).

- A long-life filter (maintenance free up to one year*) is equipped as standard accessory.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3

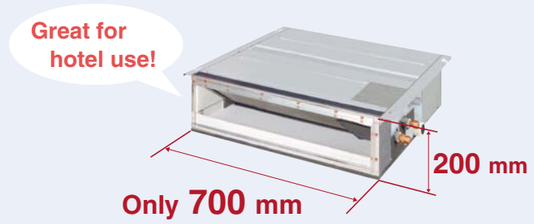
Slim Ceiling Mounted Duct Type

Slim design, quietness and static pressure switching

Suited to use in drop-ceilings!

FXDQ20PB/FXDQ25PB/FXDQ32PB

- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.



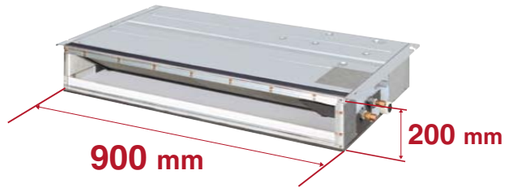
- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level (dB(A))

FXDQ-PB/NB	20/25/32	40	50	63
Sound level (HH/H/L)	33/31/29	34/32/30	35/33/31	36/34/32

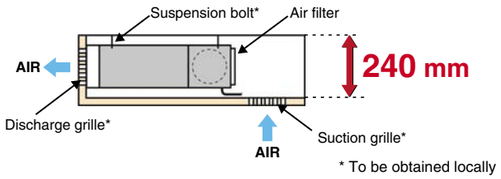
∗The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).
∗Values are based on the following conditions:
FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

FXDQ40NB/FXDQ50NB/FXDQ63NB

- Only 200 mm in height, this model can be installed in rooms with as little as 240 mm depth between the drop-ceiling and ceiling slab.

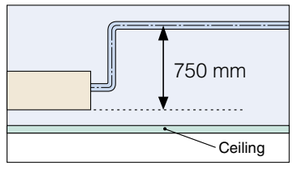


∗1,100 mm in width for the FXDQ63NB model.



* To be obtained locally

- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.
  10 Pa-30 Pa/factory set: 10 Pa for FXDQ-PB models.
  15 Pa-44 Pa/factory set: 15 Pa for FXDQ-NB models.
- FXDQ-PB and FXDQ-NB models are available in two types to suit different installation conditions.
  FXDQ-PB/NBVE: with a drain pump (750 mm lift) as a standard accessory
  FXDQ-PB/NBVET: without a drain pump

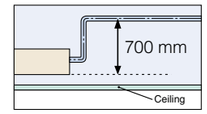


Ceiling Mounted Duct Type

FXMQ20P/FXMQ25P/FXMQ32P
FXMQ40P/FXMQ50P/FXMQ63P
FXMQ80P/FXMQ100P/FXMQ125P
FXMQ140P

Middle and high static pressure allows for flexible duct design

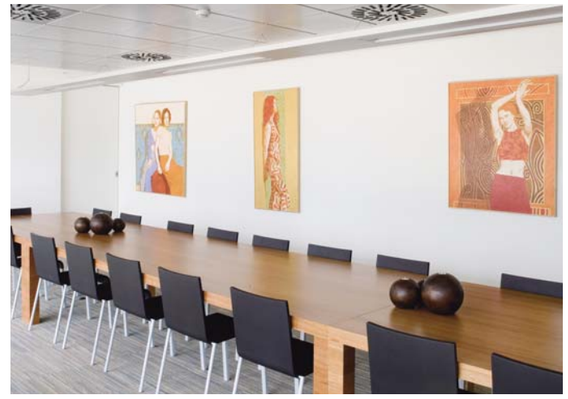
- A DC fan motor increases the external static pressure capacity range to include middle to high static pressures, increasing design flexibility.
  30 Pa–100 Pa for FXMQ20P-32P
  30 Pa–160 Pa for FXMQ40P
  50 Pa–200 Pa for FXMQ50P-125P
  50 Pa–140 Pa for FXMQ140P
- All models are only 300 mm in height, an improvement over the 390 mm height of conventional models. The weight of the FXMQ40P has been reduced from 44 kg to 28 kg.
- Drain pump is equipped as standard accessory with 700 mm lift.



- Control of the airflow rate has been improved from 2-step to 3-step control.
- Low operation sound level (dB(A))

FXMQ-P	20/25	32	40	50	63	80/100	125	140
Sound level (HH/H/L)	33/31/29	34/32/30	39/37/35	41/39/37	42/40/38	43/41/39	44/42/40	46/45/43

- Energy-efficient
  - The adopted DC fan motor is much more efficient than the conventional AC motor, yielding an approximate 20% decrease in energy consumption (FXMQ125P).

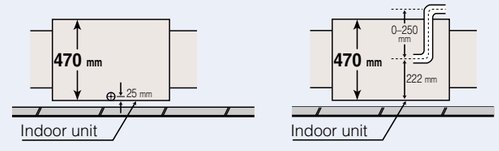


- Improved ease of installation
  - Airflow rate can be controlled using a remote controller during test operation. With the conventional model, the airflow rate was controlled from the PC board. It is automatically adjusted to the range between approximately ±10% of the rated HH tap airflow for FXMQ20P–125P.
- Improved ease of maintenance
  - The drain pan can be detached for easy cleaning. An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours.

FXMQ200MA/FXMQ250MA

- Simplified Static Pressure Control
  External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system.

- Built-in Drain Pump (Option)
  Housing the drain pump inside the unit reduces the space required for installation.
  - Without drain pump
  - With drain pump



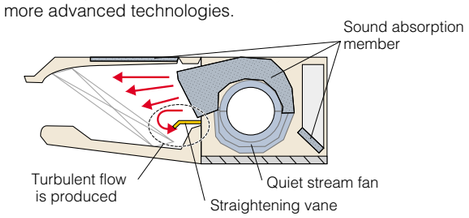
Ceiling Suspended Type

FXHQ32MA/FXHQ63MA
FXHQ100MA

Slim body with quiet and wide airflow

●Adoption of QUIET STREAM FAN

Uses the quiet stream fan and many more advanced technologies.

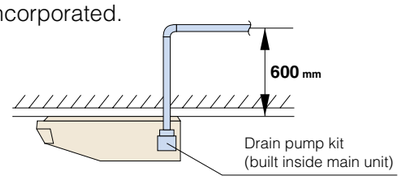


●Low operation sound level (dB(A))

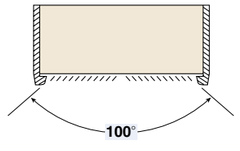
FXHQ-MA	32	63	100
Sound level (H/L)	36/31	39/34	45/37

●Installation is easy

- Drain pump kit (option) can be easily incorporated.



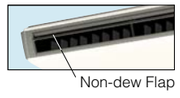
●Wide air discharge openings produce a spreading 100° airflow.



●Maintenance is easy

- Non-dew Flap with no implanted bristles

Bristle-free Flap minimises contamination and makes cleaning simpler.



- Easy-to-clean flat design
- Maintenance is easier because everything can be performed from below the unit.
- A long-life filter (maintenance free up to one year*) is equipped as standard accessory.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3

Wall Mounted Type

New
FXAQ20P/FXAQ25P
FXAQ32P/FXAQ40P
FXAQ50P/FXAQ63P

Stylish flat panel design harmonised with your interior décor

●Stylish flat panel design creates a graceful harmony that enhances any interior space.

●Flat panel can be cleaned with only the single pass of a cloth across their smooth surface. Flat panel can also be easily removed and washed for more thorough cleaning.

●Low operation sound level (dB(A))

FXAQ-P	20	25	32	40	50	63
Sound level (H/L)	35/31	36/31	38/31	39/34	42/37	47/41

●Drain pan and air filter can be kept clean by mould-proof polystyrene.

●Vertical auto-swing realises efficiency of air distribution. The louvre closes automatically when the unit stops.

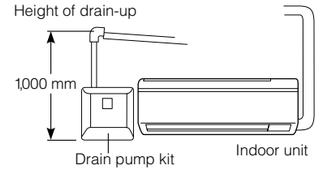
●5 steps of discharge angle can be set by remote controller.

●Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting: 10˚ for cooling and 70˚ for heating)

●Flexible installation

- Drain pipe can be fitted to from either left or right sides.

●Drain pump kit is available as optional accessory, which lifts the drain 1,000 mm from the bottom of the unit.



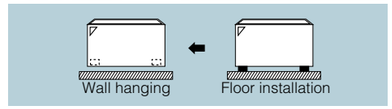
Floor Standing Type

FXLQ20MA/FXLQ25MA
FXLQ32MA/FXLQ40MA
FXLQ50MA/FXLQ63MA

Suitable for perimeter zone air conditioning

- Floor Standing types can be hung on the wall for easier cleaning. Running the piping from the back allows the unit to be hung on walls. Cleaning under the unit, where dust tends to accumulate, is considerably easier.
- The adoption of a fibre-less discharge grille featuring an original design to prevent condensation also helps prevent staining and makes cleaning easier.
- A long-life filter (maintenance free up to one year*) is equipped as standard accessory.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3



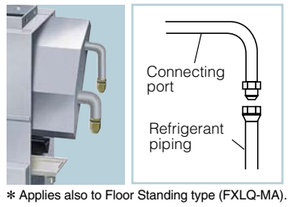
Concealed Floor Standing Type

FXNQ20MA/FXNQ25MA
FXNQ32MA/FXNQ40MA
FXNQ50MA/FXNQ63MA

Designed to be concealed in the perimeter skirting-wall

- The unit is concealed in skirting-wall of perimeter, that enables to create high class interior design.
- The connecting port faces downward, greatly facilitating on-site piping work.
- A long-life filter (maintenance free up to one year*) is equipped as standard accessory.

* 8 hr/day, 25 day/month. For dust concentration of 0.15 mg/m^3



∗ Applies also to Floor Standing type (FXLQ-MA).

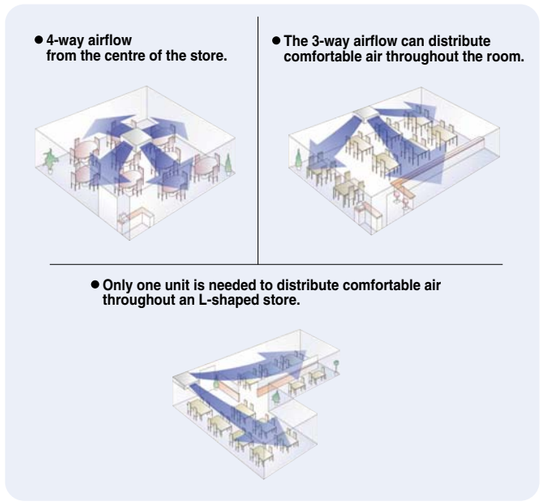
Connection unit series indoor units

Ceiling Suspended Cassette Type (50 Hz only)

FXUQ71MA/FXUQ100MA
FXUQ125MA

This thin indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.

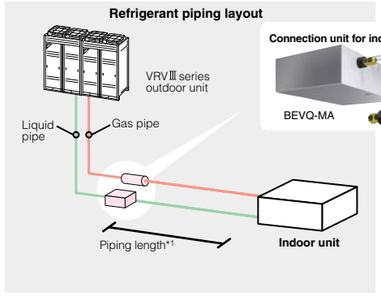
- Depending on installation site requirements or room conditions, 2-way, 3-way and 4-way discharge patterns are available.


● 4-way airflow from the centre of the store.
● The 3-way airflow can distribute comfortable air throughout the room.
● Only one unit is needed to distribute comfortable air throughout an L-shaped store.

Connection unit

Connection unit is the device for connecting above indoor unit to VRVIII.

BEVQ71MA/BEVQ100MA/BEVQ125MA



*1

Model	Maximum piping length between the BEV unit and the indoor unit.
FXUQ-MA	5 m

Notes:

- When connecting centralised-control device, it is necessary to install an interface adaptor for an indoor unit (DTA102A52).
- Connection unit BEVQ-MA is necessary for each indoor unit.
- The refrigerant piping height difference between the indoor units and the BEV unit must be within 4 m.
- The BEV unit must be installed within a maximum height difference between indoor units of 15 m.
- Branching of the refrigerant piping is not possible downstream of the BEV unit.

Cooling Only/Heat Pump

Normal Type (Space Saving Type)

- Between 12 (5 HP) and up to 64 (54 HP) indoor units in a single refrigerant piping circuit can be individually controlled in minimum increments of 2.2 kW (0.8 HP). Facilities from small to large can be accommodated with the lineup of 5–54 HP models. The units are superbly compact, so less installation space is required.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.

5 HP

RX(Y)Q5P(A)(E)

8, 10 HP

RX(Y)Q8P(A)(E)
RX(Y)Q10P(A)(E)

12, 14, 16, 18 HP

RX(Y)Q12P(A)(E)
RX(Y)Q14P(A)(E)
RX(Y)Q16P(A)(E)
RX(Y)Q18P(A)(E)

20, 22, 24, 26, 28 HP

RX(Y)Q20P(A)(E)
RX(Y)Q22P(A)(E)
RX(Y)Q24P(A)(E)
RX(Y)Q26P(A)(E)
RX(Y)Q28P(A)(E)

30, 32, 34, 36 HP

RX(Y)Q30P(A)(E)
RX(Y)Q32P(A)(E)
RX(Y)Q34P(A)(E)
RX(Y)Q36P(A)(E)

38, 40, 42, 44, 46 HP

RX(Y)Q38P(A)(E)
RX(Y)Q40P(A)(E)
RX(Y)Q42P(A)(E)
RX(Y)Q44P(A)(E)
RX(Y)Q46P(A)(E)

48, 50, 52, 54 HP

RX(Y)Q48P(A)(E)
RX(Y)Q50P(A)(E)
RX(Y)Q52P(A)(E)
RX(Y)Q54P(A)(E)

High-COP Type (Energy Saving Type)

- High-COP type outdoor units offer highly efficient performance, contributing to energy savings, while a lineup of 16–50 HP models extends the range of applications.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.

16, 18 HP

RX(Y)Q16P(A)H(E)
RX(Y)Q18P(A)H(E)

24, 26 HP

RX(Y)Q24P(A)H(E)
RX(Y)Q26P(A)H(E)

28, 30 HP

RX(Y)Q28P(A)H(E)
RX(Y)Q30P(A)H(E)

32, 34 HP

RX(Y)Q32P(A)H(E)
RX(Y)Q34P(A)H(E)

36, 38, 40, 42, 44, 46, 48, 50 HP

RX(Y)Q36P(A)H(E) RX(Y)Q44P(A)H(E)
RX(Y)Q38P(A)H(E) RX(Y)Q46P(A)H(E)
RX(Y)Q40P(A)H(E) RX(Y)Q48P(A)H(E)
RX(Y)Q42P(A)H(E) RX(Y)Q50P(A)H(E)

Series Lineup

Series		Capacity Range																								
		5 HP	8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP	50 HP	52 HP	54 HP
Cooling Only/ Heat Pump	Normal Type	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	High-COP Type	—	—	—	—	—	●	●	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—

Outdoor Unit Combinations

Normal Type (Space Saving Type)

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit*1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
5 HP	125	RX(Y)Q5P(A)	RX(Y)Q5P(A)	–	62.5 to 162.5 (250)	8 (12)
8 HP	200	RX(Y)Q8P(A)	RX(Y)Q8P(A)	–	100 to 260 (400)	13 (20)
10 HP	250	RX(Y)Q10P(A)	RX(Y)Q10P(A)	–	125 to 325 (500)	16 (25)
12 HP	300	RX(Y)Q12P(A)	RX(Y)Q12P(A)	–	150 to 390 (600)	19 (30)
14 HP	350	RX(Y)Q14P(A)	RX(Y)Q14P(A)	–	175 to 455 (700)	22 (35)
16 HP	400	RX(Y)Q16P(A)	RX(Y)Q16P(A)	–	200 to 520 (800)	26 (40)
18 HP	450	RX(Y)Q18P(A)	RX(Y)Q18P(A)	–	225 to 585 (900)	29 (45)
20 HP	500	RX(Y)Q20P(A)	RX(Y)Q8P(A) + RX(Y)Q12P(A)	BHFP22P100	250 to 650 (800)	32 (40)
22 HP	550	RX(Y)Q22P(A)	RX(Y)Q10P(A) + RX(Y)Q12P(A)		275 to 715 (880)	35 (44)
24 HP	600	RX(Y)Q24P(A)	RX(Y)Q8P(A) + RX(Y)Q16P(A)		300 to 780 (960)	39 (48)
26 HP	650	RX(Y)Q26P(A)	RX(Y)Q8P(A) + RX(Y)Q18P(A)		325 to 845 (1,040)	42 (52)
28 HP	700	RX(Y)Q28P(A)	RX(Y)Q10P(A) + RX(Y)Q18P(A)		350 to 910 (1,120)	45 (56)
30 HP	750	RX(Y)Q30P(A)	RX(Y)Q12P(A) + RX(Y)Q18P(A)		375 to 975 (1,200)	48 (60)
32 HP	800	RX(Y)Q32P(A)	RX(Y)Q16P(A) x 2		400 to 1,040 (1,280)	52 (64)
34 HP	850	RX(Y)Q34P(A)	RX(Y)Q16P(A) + RX(Y)Q18P(A)		425 to 1,105 (1,360)	55 (64)
36 HP	900	RX(Y)Q36P(A)	RX(Y)Q18P(A) x 2		450 to 1,170 (1,440)	58 (64)
38 HP	950	RX(Y)Q38P(A)	RX(Y)Q8P(A) + RX(Y)Q12P(A) + RX(Y)Q18P(A)	BHFP22P151	475 to 1,235 (1,235)	61 (61)
40 HP	1,000	RX(Y)Q40P(A)	RX(Y)Q8P(A) + RX(Y)Q16P(A) x 2		500 to 1,300 (1,300)	64 (64)
42 HP	1,050	RX(Y)Q42P(A)	RX(Y)Q8P(A) + RX(Y)Q16P(A) + RX(Y)Q18P(A)		525 to 1,365 (1,365)	
44 HP	1,100	RX(Y)Q44P(A)	RX(Y)Q8P(A) + RX(Y)Q18P(A) x 2		550 to 1,430 (1,430)	
46 HP	1,150	RX(Y)Q46P(A)	RX(Y)Q10P(A) + RX(Y)Q18P(A) x 2		575 to 1,495 (1,495)	
48 HP	1,200	RX(Y)Q48P(A)	RX(Y)Q12P(A) + RX(Y)Q18P(A) x 2		600 to 1,560 (1,560)	
50 HP	1,250	RX(Y)Q50P(A)	RX(Y)Q14P(A) + RX(Y)Q18P(A) x 2		625 to 1,625 (1,625)	
52 HP	1,300	RX(Y)Q52P(A)	RX(Y)Q16P(A) + RX(Y)Q18P(A) x 2		650 to 1,690 (1,690)	
54 HP	1,350	RX(Y)Q54P(A)	RX(Y)Q18P(A) x 3		675 to 1,755 (1,755)	

*1 For multiple connection of 20 HP systems and above, the outdoor unit multi connection piping kit (separately sold) is required.
*2 Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 9 for notes on connection capacity of indoor units.

High-COP Type (Energy Saving Type)

HP	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit*1	Total capacity index of connectable indoor units*2	Maximum number of connectable indoor units*2
16 HP	400	RX(Y)Q16P(A)H	RX(Y)Q8P(A) x 2	BHFP22P100	200 to 520 (640)	26 (32)
18 HP	450	RX(Y)Q18P(A)H	RX(Y)Q8P(A) + RX(Y)Q10P(A)		225 to 585 (720)	29 (36)
24 HP	600	RX(Y)Q24P(A)H	RX(Y)Q8P(A) x 3	BHFP22P151	300 to 780 (780)	39 (39)
26 HP	650	RX(Y)Q26P(A)H	RX(Y)Q8P(A) x 2 + RX(Y)Q10P(A)		325 to 845 (845)	42 (42)
28 HP	700	RX(Y)Q28P(A)H	RX(Y)Q8P(A) x 2 + RX(Y)Q12P(A)		350 to 910 (910)	45 (45)
30 HP	750	RX(Y)Q30P(A)H	RX(Y)Q8P(A) + RX(Y)Q10P(A) + RX(Y)Q12P(A)		375 to 975 (975)	48 (48)
32 HP	800	RX(Y)Q32P(A)H	RX(Y)Q8P(A) + RX(Y)Q12P(A) x 2		400 to 1,040 (1,040)	52 (52)
34 HP	850	RX(Y)Q34P(A)H	RX(Y)Q10P(A) + RX(Y)Q12P(A) x 2		425 to 1,105 (1,105)	55 (55)
36 HP	900	RX(Y)Q36P(A)H	RX(Y)Q12P(A) x 3		450 to 1,170 (1,170)	58 (58)
38 HP	950	RX(Y)Q38P(A)H	RX(Y)Q12P(A) x 2 + RX(Y)Q14P(A)		475 to 1,235 (1,235)	61 (61)
40 HP	1,000	RX(Y)Q40P(A)H	RX(Y)Q12P(A) x 2 + RX(Y)Q16P(A)		500 to 1,300 (1,300)	64 (64)
42 HP	1,050	RX(Y)Q42P(A)H	RX(Y)Q12P(A) x 2 + RX(Y)Q18P(A)		525 to 1,365 (1,365)	
44 HP	1,100	RX(Y)Q44P(A)H	RX(Y)Q12P(A) + RX(Y)Q16P(A) x 2		550 to 1,430 (1,430)	
46 HP	1,150	RX(Y)Q46P(A)H	RX(Y)Q12P(A) + RX(Y)Q16P(A) + RX(Y)Q18P(A)		575 to 1,495 (1,495)	
48 HP	1,200	RX(Y)Q48P(A)H	RX(Y)Q16P(A) x 3		600 to 1,560 (1,560)	
50 HP	1,250	RX(Y)Q50P(A)H	RX(Y)Q16P(A) x 2 + RX(Y)Q18P(A)		625 to 1,625 (1,625)	

*1 The outdoor unit multi connection piping kit (separately sold) is required for multiple connections.
*2 Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units. Refer to page 9 for notes on connection capacity of indoor units.

Specifications—Indoor Units

Ceiling Mounted Cassette (Round Flow) Type

MODEL				FXFQ25PVE	FXFQ32PVE	FXFQ40PVE	FXFQ50PVE	FXFQ63PVE	FXFQ80PVE	FXFQ100PVE	FXFQ125PVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz							
Cooling capacity			kcal/h (*1)	2,500	3,200	4,000	5,000	6,300	8,000	10,000	12,500
			Btu/h (*1)	9,900	12,600	16,000	19,800	24,900	31,700	39,600	49,500
		kW	(*1)	2.9	3.7	4.7	5.8	7.3	9.3	11.6	14.5
			(*2)	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity			kcal/h	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
			Btu/h	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
			kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power consumption (50 Hz/60 Hz)	Cooling	kW		0.033/0.032	0.033/0.032	0.047/0.042	0.052/0.050	0.066/0.063	0.093/0.092	0.187/0.186	0.209/0.208
	Heating			0.027/0.027	0.027/0.027	0.034/0.034	0.038/0.038	0.053/0.053	0.075/0.075	0.174/0.174	0.200/0.200
Casing				Galvanised steel plate							
Airflow rate (HH/H/L)			m^3/min	13/11.5/10	13/11.5/10	15/13/11	16/13.5/11	19/16.5/13.5	21/18/15	32/26/20	33/28/22.5
			cfm	459/406/353	459/406/353	530/459/388	565/477/388	671/583/477	742/636/530	1,130/918/706	1,165/989/794
Sound level (HH/H/L)			dB(A)	30/28.5/27	30/28.5/27	31/29/27	32/29.5/27	34/31/28	36/33.5/31	43/37.5/32	44/39/34
Dimensions (H×W×D)			mm	246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	288×840×840	288×840×840
Machine weight			kg	19.5	19.5	19.5	19.5	22	22	25	25
Piping connections	Liquid (Flare)	mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5	ϕ 9.5	ϕ 9.5	ϕ 9.5
	Gas (Flare)			ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9	ϕ 15.9	ϕ 15.9	ϕ 15.9
	Drain			VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model			BYCP125K-W1							
	Colour			Fresh white							
	Dimensions (H×W×D)	mm		50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950	50×950×950
	Weight	kg		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Ceiling Mounted Cassette (Compact Multi Flow) Type

MODEL				FXZQ20MVE	FXZQ25MVE	FXZQ32MVE	FXZQ40MVE	FXZQ50MVE
Power supply				1-phase, 220-240 V/220 V, 50 Hz/60 Hz				
Cooling capacity			kcal/h (*1)	2,000	2,500	3,200	4,000	5,000
			Btu/h (*1)	7,800	9,900	12,600	16,000	19,800
		kW	(*1)	2.3	2.9	3.7	4.7	5.8
			(*2)	2.2	2.8	3.6	4.5	5.6
Heating capacity			kcal/h	2,200	2,800	3,400	4,300	5,400
			Btu/h	8,500	10,900	13,600	17,100	21,500
			kW	2.5	3.2	4.0	5.0	6.3
Power consumption (50 Hz/60 Hz)	Cooling	kW		0.073/0.075	0.073/0.075	0.076/0.080	0.089/0.095	0.115/0.128
	Heating			0.064/0.069	0.064/0.069	0.068/0.073	0.080/0.088	0.107/0.122
Casing				Galvanised steel plate				
Airflow rate (H/L)			m^3/min	9/7	9/7	9.5/7.5	11/8	14/10
			cfm	318/247	318/247	335/265	388/282	493/353
Sound level (H/L)	230 V, 50 Hz-240 V, 50 Hz-220 V, 60 Hz	dB(A)		30/25-32/26-32/29	30/25-32/26-32/29	32/26-34/28-33/29	36/28-37/29-36/30	41/33-42/35-41/34
Dimensions (H×W×D)			mm	286×575×575				
Machine weight			kg	18				
Piping connections	Liquid (Flare)	mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4
	Gas (Flare)			ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7
	Drain			VP20 (External Dia, 26/Internal Dia, 20)				
Panel (Option)	Model			BYFQ60B8W1				
	Colour			White (6.5Y9.5/0.5)				
	Dimensions (H×W×D)	mm		55×700×700	55×700×700	55×700×700	55×700×700	55×700×700
	Weight	kg		2.7	2.7	2.7	2.7	2.7

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted Cassette (Double Flow) Type

MODEL				FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz							
Cooling capacity			kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300	8,000	12,500
			Btu/h (*1)	7,800	9,900	12,600	16,000	19,800	24,900	31,700	49,500
		kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3	9.3	14.5
			(*2)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity			kcal/h	2,200	2,800	3,400	4,300	5,400	6,900	8,600	13,800
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	54,600
			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power consumption (50 Hz/60 Hz)	Cooling	kW		0.077/0.081	0.092/0.095	0.092/0.095	0.130/0.132	0.130/0.132	0.161/0.157	0.209/0.216	0.256/0.278
	Heating			0.044/0.048	0.059/0.062	0.059/0.062	0.097/0.099	0.097/0.099	0.126/0.124	0.176/0.183	0.223/0.245
Casing				Galvanised steel plate							
Airflow rate (H/L)			m^3/min	7/5	9/6.5	9/6.5	12/9	12/9	16.5/13	26/21	33/25
			cfm	247/177	318/230	318/230	424/318	424/318	582/459	918/741	1,165/883
Sound level (H/L)	220 V	dB(A)		32/27	34/28	34/28	34/29	34/29	37/32	39/34	44/38
	240 V			34/29	36/30	36/30	37/32	37/32	39/34	41/36	46/40
Dimensions (H×W×D)			mm	305×775×600	305×775×600	305×775×600	305×990×600	305×990×600	305×1,175×600	305×1,665×600	305×1,665×600
Machine weight			kg	26	26	26	31	32	35	47	48
Piping connections	Liquid (Flare)	mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5	ϕ 9.5	ϕ 9.5
	Gas (Flare)			ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9	ϕ 15.9	ϕ 15.9
	Drain			VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model			BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
	Colour			White (10Y9/0.5)							
	Dimensions (H×W×D)	mm		53×1,030×680	53×1,030×680	53×1,030×680	53×1,245×680	53×1,245×680	53×1,430×680	53×1,920×680	53×1,920×680
	Weight	kg		8.0	8.0	8.0	8.5	8.5	9.5	12.0	12.0

Ceiling Mounted Cassette Corner Type

MODEL				FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz			
Cooling capacity			kcal/h (*1)	2,500	3,200	4,000	6,300
			Btu/h (*1)	9,900	12,600	16,000	24,900
		kW	(*1)	2.9	3.7	4.7	7.3
			(*2)	2.8	3.6	4.5	7.1
Heating capacity			kcal/h	2,800	3,400	4,300	6,900
			Btu/h	10,900	13,600	17,100	27,300
			kW	3.2	4.0	5.0	8.0
Power consumption (50 Hz/60 Hz)	Cooling	kW		0.066/0.069	0.066/0.069	0.076/0.092	0.105/0.120
	Heating			0.046/0.049	0.046/0.049	0.056/0.072	0.085/0.100
Casing				Galvanised steel plate			
Airflow rate (H/L)	50 Hz		m^3/min	11/9	11/9	13/10	18/15
			cfm	388/318	388/318	459/353	635/530
	60 Hz		m^3/min	11/8.5	11/8.5	13/10	18/13
			cfm	388/300	388/300	459/353	635/459
Sound level (H/L)	220 V	dB(A)		38/33	38/33	40/34	42/37
	240 V			40/35	40/35	42/36	44/39
Dimensions (H×W×D)			mm	215×1,110×710	215×1,110×710	215×1,110×710	215×1,310×710
Machine weight			kg	31	31	31	34
Piping connections	Liquid (Flare)	mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5
	Gas (Flare)			ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9
	Drain			VP25 (External Dia, 32/Internal Dia, 25)			
Panel (Option)	Model			BYK45FJW1			BYK71FJW1
	Colour			White (10Y9/0.5)			
	Dimensions (H×W×D)	mm		70×1,240×800	70×1,240×800	70×1,240×800	70×1,440×800
	Weight	kg		8.5	8.5	8.5	9.5

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: **(FXCQ-M)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXKQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications—Indoor Units

Slim Ceiling Mounted Duct Type (700 mm width type)

MODEL	with drain pump	FXDQ20PBVE	FXDQ25PBVE	FXDQ32PBVE
	without drain pump	FXDQ20PBVET	FXDQ25PBVET	FXDQ32PBVET
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity	kcal/h (*1)	2,000	2,500	3,200
	Btu/h (*1)	7,800	9,900	12,600
	kW (*1)	2.3	2.9	3.7
	kW (*2)	2.2	2.8	3.6
Heating capacity	kcal/h	2,200	2,800	3,400
	Btu/h	8,500	10,900	13,600
	kW	2.5	3.2	4.0
Power consumption (FXDQ-PBVE: 50 Hz/60 Hz)	Cooling / kW	0.086/0.092	0.086/0.092	0.089/0.095
	Heating / kW	0.067/0.073	0.067/0.073	0.070/0.076
Power consumption (FXDQ-PBVET: 50 Hz/60 Hz)	Cooling / kW	0.067/0.073	0.067/0.073	0.070/0.076
	Heating / kW	0.067/0.073	0.067/0.073	0.070/0.076
Casing		Galvanised steel plate		
Airflow rate (HH/H/L)	m^3/min	8.0/7.2/6.4	8.0/7.2/6.4	8.0/7.2/6.4
	cfm	282/254/226	282/254/226	282/254/226
External static pressure	Pa	30-10★1		
Sound level (HH/H/L)★2★3	dB(A)	33/31/29	33/31/29	33/31/29
Dimensions (H×W×D)	mm	200×700×620	200×700×620	200×700×620
Machine weight	kg	23	23	23
Piping connections: Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4
Piping connections: Gas (Flare)	mm	ϕ12.7	ϕ12.7	ϕ12.7
Piping connections: Drain	mm	VP20 (External Dia, 26/Internal Dia, 20)		

Slim Ceiling Mounted Duct Type (900/1,100 mm width type)

MODEL	with drain pump	FXDQ40NBVE	FXDQ50NBVE	FXDQ63NBVE
	without drain pump	FXDQ40NBVET	FXDQ50NBVET	FXDQ63NBVET
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity	kcal/h (*1)	4,000	5,000	6,300
	Btu/h (*1)	16,000	19,800	24,900
	kW (*1)	4.7	5.8	7.3
	kW (*2)	4.5	5.6	7.1
Heating capacity	kcal/h	4,300	5,400	6,900
	Btu/h	17,100	21,500	27,300
	kW	5.0	6.3	8.0
Power consumption (FXDQ-NBVE: 50 Hz/60 Hz)	Cooling / kW	0.160/0.182	0.165/0.185	0.181/0.192
	Heating / kW	0.147/0.168	0.152/0.170	0.168/0.179
Power consumption (FXDQ-NBVET: 50 Hz/60 Hz)	Cooling / kW	0.147/0.168	0.152/0.170	0.168/0.179
	Heating / kW	0.147/0.168	0.152/0.170	0.168/0.179
Casing		Galvanised steel plate		
Airflow rate (HH/H/L)	m^3/min	10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	cfm	371/335/300	441/388/353	583/512/459
External static pressure	Pa	44-15★1		
Sound level (HH/H/L)★2★3	dB(A)	34/32/30	35/33/31	36/34/32
Dimensions (H×W×D)	mm	200×900×620	200×900×620	200×1,100×620
Machine weight	kg	27	28	31
Piping connections: Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ9.5
Piping connections: Gas (Flare)	mm	ϕ12.7	ϕ12.7	ϕ15.9
Piping connections: Drain	mm	VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- ★1: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard". (Factory setting is 10 Pa for FXDQ-PB models and 15 Pa for FXDQ-NB models.)
- ★2: The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).
- ★3: Values are based on the following conditions: FXDQ-PB: external static pressure of 10 Pa; FXDQ-NB: external static pressure of 15 Pa.

Ceiling Mounted Duct Type

MODEL		FXMQ20PVE	FXMQ25PVE	FXMQ32PVE	FXMQ40PVE	FXMQ50PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h (*1)	2,000	2,500	3,200	4,000	5,000
	Btu/h (*1)	7,800	9,900	12,600	16,000	19,800
	kW (*1)	2.3	2.9	3.7	4.7	5.8
	kW (*2)	2.2	2.8	3.6	4.5	5.6
Heating capacity	kcal/h	2,200	2,800	3,400	4,300	5,400
	Btu/h	8,500	10,900	13,600	17,100	21,500
	kW	2.5	3.2	4.0	5.0	6.3
Power consumption (50 Hz/60 Hz)	Cooling / kW	0.081/0.080	0.081/0.080	0.085/0.084	0.194/0.193	0.215/0.214
	Heating / kW	0.069/0.069	0.069/0.069	0.073/0.073	0.182/0.182	0.203/0.203
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m^3/min	9/7.5/6.5	9/7.5/6.5	9.5/8/7	16/13/11	18/16.5/15
	cfm	318/265/230	318/265/230	335/282/247	565/459/388	635/582/530
External static pressure	Pa	30-100 ★1	30-100 ★1	30-100 ★1	30-160 ★1	50-200 ★1
Sound level (HH/H/L)	dB(A)	33/31/29	33/31/29	34/32/30	39/37/35	41/39/37
Dimensions (H×W×D)	mm	300×550×700	300×550×700	300×550×700	300×700×700	300×1,000×700
Machine weight	kg	25	25	25	28	36
Piping connections: Liquid (Flare)	mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4
Piping connections: Gas (Flare)	mm	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7
Piping connections: Drain	mm	VP25 (External Dia, 32/Internal Dia, 25)				

MODEL		FXMQ63PVE	FXMQ80PVE	FXMQ100PVE	FXMQ125PVE	FXMQ140PVE
Power supply		1-phase, 220-240 V/220 V, 50/60 Hz				
Cooling capacity	kcal/h (*1)	6,300	8,000	10,000	12,500	14,300
	Btu/h (*1)	24,900	31,700	39,600	49,500	57,000
	kW (*1)	7.3	9.3	11.6	14.5	16.7
	kW (*2)	7.1	9.0	11.2	14.0	16.0
Heating capacity	kcal/h	6,900	8,600	10,800	13,800	15,500
	Btu/h	27,300	34,100	42,700	54,600	61,400
	kW	8.0	10.0	12.5	16.0	18.0
Power consumption (50 Hz/60 Hz)	Cooling / kW	0.230/0.229	0.298/0.297	0.376/0.375	0.461/0.460	0.461/0.460
	Heating / kW	0.218/0.218	0.286/0.286	0.364/0.364	0.449/0.449	0.449/0.449
Casing		Galvanised steel plate				
Airflow rate (HH/H/L)	m^3/min	19.5/17.5/16	25/22.5/20	32/27/23	39/33/28	46/39/32
	cfm	688/618/565	883/794/706	1,130/953/812	1,377/1,165/988	1,624/1,377/1,130
External static pressure	Pa	50-200 ★1	50-200 ★1	50-200 ★1	50-200 ★1	50-140 ★1
Sound level (HH/H/L)	dB(A)	42/40/38	43/41/39	43/41/39	44/42/40	46/45/43
Dimensions (H×W×D)	mm	300×1,000×700	300×1,000×700	300×1,400×700	300×1,400×700	300×1,400×700
Machine weight	kg	36	36	46	46	47
Piping connections: Liquid (Flare)	mm	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
Piping connections: Gas (Flare)	mm	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
Piping connections: Drain	mm	VP25 (External Dia, 32/Internal Dia, 25)				

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- ★1: External static pressure can be modified using a remote controller that offers seven (FXMQ20-32P), thirteen (FXMQ40P), fourteen (FXMQ50-125P) or ten (FXMQ140P) levels of control. These values indicate the lowest and highest possible static pressures. The standard static pressure is 50 Pa for FXMQ20-32P and 100 Pa for FXMQ40-140P.

Specifications—Indoor Units

Ceiling Mounted Duct Type

MODEL				FXMQ200MAVE	FXMQ250MAVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz	
Cooling capacity			kcal/h (*1)	19,800	24,800
			Btu/h (*1)	78,500	98,300
		kW	(*1)	23.0	28.8
			(*2)	22.4	28.0
Heating capacity			kcal/h	21,500	27,100
			Btu/h	85,300	107,500
			kW	25.0	31.5
Power consumption (50 Hz/60 Hz)	Cooling		kW	1.294/1.490	1.465/1.684
	Heating			1.294/1.490	1.465/1.684
Casing				Galvanised steel plate	
Airflow rate (H/L)			m^3/min	58/50	72/62
			cfm	2,047/1,765	2,542/2,189
External static pressure	50 Hz		Pa	132-221 ★1	191-270 ★1
	60 Hz			132-270 ★1	147-270 ★1
Sound level (H/L)	220 V		dB(A)	48/45	48/45
	240 V			49/46	49/46
Dimensions (H×W×D)			mm	470×1,380×1,100	470×1,380×1,100
Machine weight			kg	137	137
Piping connections	Liquid (Flare)		mm	ϕ9.5	ϕ9.5
	Gas (Brazing)			ϕ19.1	ϕ22.2
	Drain			PS1B	

Ceiling Suspended Type

MODEL				FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz		
Cooling capacity			kcal/h (*1)	3,200	6,300	10,000
			Btu/h (*1)	12,600	24,900	39,600
		kW	(*1)	3.7	7.3	11.6
			(*2)	3.6	7.1	11.2
Heating capacity			kcal/h	3,400	6,900	10,800
			Btu/h	13,600	27,300	42,700
			kW	4.0	8.0	12.5
Power consumption (50 Hz/60 Hz)	Cooling		kW	0.111/0.142	0.115/0.145	0.135/0.199
	Heating			0.111/0.142	0.115/0.145	0.135/0.199
Casing				White (10Y9/0.5)		
Airflow rate (H/L)			m^3/min	12/10	17.5/14	25/19.5
			cfm	424/353	618/494	883/688
Sound level (H/L)			dB(A)	36/31	39/34	45/37
Dimensions (H×W×D)			mm	195×960×680	195×1,160×680	195×1,400×680
Machine weight			kg	24	28	33
Piping connections	Liquid (Flare)		mm	ϕ6.4	ϕ9.5	ϕ9.5
	Gas (Flare)			ϕ12.7	ϕ15.9	ϕ15.9
	Drain			VP20 (External Dia, 26/Internal Dia, 20)		

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: **(FXMQ-MA)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXHQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- ★1: External static pressure is changeable to change over the connectors inside electrical box, this pressure means "Standard-High static pressure".

Wall Mounted Type

MODEL				FXAQ20PVE	FXAQ25PVE	FXAQ32PVE	FXAQ40PVE	FXAQ50PVE	FXAQ63PVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity			kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300
			Btu/h (*1)	7,800	9,900	12,600	16,000	19,800	24,900
		kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
			(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity			kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
			kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption	Cooling		kW	0.019	0.028	0.030	0.020	0.033	0.050
	Heating			0.029	0.034	0.035	0.020	0.039	0.060
Casing				White (3.0Y8.5/0.5)					
Airflow rate (H/L)			m^3/min	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14
			cfm	265/159	282/177	300/194	424/318	530/424	671/494
Sound level (H/L)			dB(A)	35/31	36/31	38/31	39/34	42/37	47/41
Dimensions (H×W×D)			mm	290×795×238	290×795×238	290×795×238	290×1,050×238	290×1,050×238	290×1,050×238
Machine weight			kg	11	11	11	14	14	14
Piping connections	Liquid (Flare)		mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)			ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain			VP13 (External Dia, 18/Internal Dia, 13)					

Floor Standing Type/Concealed Floor Standing Type

FXLQ

FXNQ

MODEL				FXLQ20MAVE / FXNQ20MAVE	FXLQ25MAVE / FXNQ25MAVE	FXLQ32MAVE / FXNQ32MAVE	FXLQ40MAVE / FXNQ40MAVE	FXLQ50MAVE / FXNQ50MAVE	FXLQ63MAVE / FXNQ63MAVE
Power supply				1-phase, 220-240 V/220 V, 50/60 Hz					
Cooling capacity			kcal/h (*1)	2,000	2,500	3,200	4,000	5,000	6,300
			Btu/h (*1)	7,800	9,900	12,600	16,000	19,800	24,900
		kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
			(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity			kcal/h	2,200	2,800	3,400	4,300	5,400	6,900
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
			kW	2.5	3.2	4.0	5.0	6.3	8.0
Power consumption (50 Hz/60 Hz)	Cooling		kW	0.049/0.047	0.049/0.047	0.090/0.079	0.090/0.084	0.110/0.105	0.110/0.108
	Heating			0.049/0.047	0.049/0.047	0.090/0.079	0.090/0.084	0.110/0.105	0.110/0.108
Casing				FXLQ: Ivory white (5Y7.5/1)/FXNQ: Galvanised steel plate					
Airflow rate (H/L)			m^3/min	7/6	7/6	8/6	11/8.5	14/11	16/12
			cfm	247/212	247/212	282/212	388/300	494/388	565/424
Sound level (H/L)	220 V		dB(A)	35/32	35/32	35/32	38/33	39/34	40/35
	240 V			37/34	37/34	37/34	40/35	41/36	42/37
Dimensions (H×W×D)	FXLQ		mm	600×1,000×222	600×1,000×222	600×1,140×222	600×1,140×222	600×1,420×222	600×1,420×222
	FXNQ			610×930×220	610×930×220	610×1,070×220	610×1,070×220	610×1,350×220	610×1,350×220
Machine weight	FXLQ		kg	25	25	30	30	36	36
	FXNQ			19	19	23	23	27	27
Piping connections	Liquid (Flare)		mm	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas (Flare)			ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain			21O.D.					

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index.
  (See Engineering Data Book for details.)
- •Sound level: **(FXAQ-P)** Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  (FXLQ-MA, FXNQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications—Indoor Units

Connection unit series indoor units (50 Hz only)

* A type of BEV unit is necessary for each Connection unit series indoor unit. Refer to the Engineering Data Book for details.
* If indoor units from the Connection unit series are connected within a single refrigerant system to indoor units from any other series, cooling/heating switchover will not be possible using the remote controller of the Connection unit series indoor units. However, if the remote controller of an indoor unit from the other series is set as a master remote controller, cooling/heating switchover will be possible.
* If all indoor units are from the Connection unit series, an outdoor unit Cool/Heat selector will be needed to enable cooling/heating switchover.
* Group control between Connection Unit series equipment within one system is possible. However, group control with the other VRV indoor units is not possible.

Ceiling Suspended Cassette Type

MODEL				FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1
	Indoor unit					
	Connection unit			BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Power supply				1-phase, 220-240 V, 50 Hz		
Cooling capacity			Kcal/h(*1)	7,100	10,000	12,500
			Btu/h(*1)	28,300	39,600	49,500
		kW	(*1)	8.3	11.6	14.5
			(*2)	8.0	11.2	14.0
Heating capacity (Max.)			Kcal/h	7,700	10,800	12,000
			Btu/h	30,700	42,700	47,800
			kW	9.0	12.5	14.0
Power consumption	Cooling	kW		0.189	0.298	0.298
	Heating			0.169	0.278	0.278
Indoor unit	Casing			White(10Y9/0.5)		
	Airflow rate (H/L)		m^3/min	19/14	29/21	32/23
			cfm	671/494	1,024/741	1,130/812
	Sound level (H/L)	230 V	dB(A)	40/35	43/38	44/39
	Dimensions (H×W×D)		mm	165×895×895	230×895×895	230×895×895
	Machine weight		kg	25	31	31
Piping connections	Liquid	mm		ϕ 9.5 (Flare)		
	Gas			ϕ15.9 (Flare)		
	Drain			VP 20 (External Dia. 26/Internal Dia. 20)		

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- •Sound level: Anechoic chamber conversion value, measured at a point 1.5 m below the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications—Outdoor Units

Cooling Only (50 Hz only)

Normal Type (Space Saving Type)

MODEL			RXQ5PAY1	RXQ8PAY1	RXQ10PAY1	RXQ12PAY1	RXQ14PAY1	RXQ16PAY1	RXQ18PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity (*1)(*2)		kcal/h(*1)	12,100	19,400	24,300	29,000	34,600	39,000	42,400
		Btu/h(*1)	48,100	76,800	96,200	115,000	137,000	155,000	168,000
	kW	(*1)	14.1	22.5	28.2	33.7	40.2	45.3	49.3
		(*2)	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Power consumption (*2)		kW	3.52	5.24	7.90	8.93	12.4	14.2	16.4
Capacity control		%	28-100	20-100	14-100	14-100	10-100	10-100	9-100
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	2.2×1	3.6×1	(1.4+4.5)×1	(1.8+4.5)×1	(1.4+4.5+4.5)×1	(2.7+4.5+4.5)×1	(2.8+4.5+4.5)×1
Airflow rate		m^3/min	95	180	185	233	233	233	239
Dimensions (H×W×D)		mm	1,680×635×765	1,680×930×765		1,680×1,240×765			
Machine weight		kg	160	205	249	285	329	329	341
Sound level		dB(A)	54	57	58	60	60	60	63
Operation range		°CDB	–5 to 43						
Refrigerant	Type		R-410A						
	Charge	kg	6.2	7.2	7.9	9.5	11.3	11.5	11.7
Piping connections	Liquid	mm	ϕ 9.5 (Brazing)	ϕ 9.5 (Brazing)	ϕ 9.5 (Brazing)	ϕ 12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)
	Gas		ϕ15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ22.2 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)

MODEL		RXQ20PAY1	RXQ22PAY1	RXQ24PAY1	RXQ26PAY1	RXQ28PAY1	RXQ30PAY1	RXQ32PAY1
	Combination units	RXQ8PAY1 RXQ12PAY1	RXQ10PAY1 RXQ12PAY1	RXQ8PAY1 RXQ16PAY1	RXQ8PAY1 RXQ18PAY1	RXQ10PAY1 RXQ18PAY1	RXQ12PAY1 RXQ18PAY1	RXQ16PAY1 RXQ16PAY1
Power supply		3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity (*1)(*2)	kcal/h(*1)	48,300	53,200	58,300	61,700	66,700	71,400	77,800
	Btu/h(*1)	192,000	211,000	231,000	250,000	264,000	283,000	309,000
	kW (*1)	56.2	61.9	67.8	71.8	77.5	83.0	90.5
	(*2)	55.9	61.5	67.4	71.4	77.0	82.5	90.0
Power consumption (*2)	kW	14.2	16.8	19.4	21.6	24.3	25.3	28.4
Capacity control	%	8-100	7-100	6-100	6-100	5-100	5-100	5-100
Casing colour		Ivory white (5Y7.5/1)						
Compressor	Type	Hermetically sealed scroll type						
	Motor output kW	(3.6×1)+ ((1.8+4.5)×1)	((1.4+4.5)×1)+ ((1.8+4.5)×1)	(3.6×1)+ ((2.7+4.5+4.5)×1)	(3.6×1)+ ((2.8+4.5+4.5)×1)	((1.4+4.5)×1)+ ((2.8+4.5+4.5)×1)	((1.8+4.5)×1)+ ((2.8+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+ ((2.7+4.5+4.5)×1)
Airflow rate	m^3/min	180+233	185+233	180+233	180+239	185+239	233+239	233+233
Dimensions (H×W×D)	mm	(1,680×930×765)+(1,680×1,240×765)					(1,680×1,240×765)+(1,680×1,240×765)	
Machine weight	kg	205+285	249+285	205+329	205+341	249+341	285+341	329+329
Sound level	dB(A)	62	62	62	64	64	65	63
Operation range	°CDB	–5 to 43						
Refrigerant	Type	R-410A						
	Charge kg	7.2+9.5	7.9+9.5	7.2+11.5	7.2+11.7	7.9+11.7	9.5+11.7	11.5+11.5
Piping connections	Liquid mm	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ 15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ34.9 (Brazing)

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Cooling Only (50 Hz only)

Normal Type (Space Saving Type)

MODEL	Combination units		RXQ34PAY1	RXQ36PAY1	RXQ38PAY1	RXQ40PAY1	RXQ42PAY1	RXQ44PAY1
			RXQ16PAY1 RXQ18PAY1	RXQ18PAY1 RXQ18PAY1	RXQ8PAY1 RXQ12PAY1 RXQ18PAY1	RXQ8PAY1 RXQ16PAY1 RXQ16PAY1	RXQ8PAY1 RXQ16PAY1 RXQ18PAY1	RXQ8PAY1 RXQ18PAY1 RXQ18PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity (*1)(*2)		kcal/h (*1)	81,400	85,100	91,200	97,200	101,000	104,000
		Btu/h (*1)	323,000	338,000	362,000	386,000	399,000	413,000
		kW (*1)	94.6	99.0	106	113	117	121
		kW (*2)	94.0	98.0	105	112	116	120
Power consumption (*2)		kW	30.6	32.8	30.6	33.6	35.8	38.0
Capacity control		%	5-100	4-100	4-100	4-100	4-100	4-100
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	((2.7+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	(3.6×1)+((1.8+4.5)×1)+((2.8+4.5+4.5)×1)	(3.6×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)	(3.6×1)+((2.7+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	(3.6×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)
Airflow rate		m³/min	233+239	239+239	180+233+239	180+233+233	180+233+239	180+239+239
Dimensions (H×W×D)		mm	(1,680×1,240×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight		kg	329+341	341+341	205+285+341	205+329+329	205+329+341	205+341+341
Sound level		dB(A)	65	66	65	64	65	67
Operation range		°CDB	–5 to 43					
Refrigerant	Type		R-410A					
	Charge	kg	11.5+11.7	11.7+11.7	7.2+9.5+11.7	7.2+11.5+11.5	7.2+11.5+11.7	7.2+11.7+11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)
	Gas		ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

MODEL	Combination units		RXQ46PAY1	RXQ48PAY1	RXQ50PAY1	RXQ52PAY1	RXQ54PAY1
			RXQ10PAY1 RXQ18PAY1 RXQ18PAY1	RXQ12PAY1 RXQ18PAY1 RXQ18PAY1	RXQ14PAY1 RXQ18PAY1 RXQ18PAY1	RXQ16PAY1 RXQ18PAY1 RXQ18PAY1	RXQ18PAY1 RXQ18PAY1 RXQ18PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz				
Cooling capacity (*1)(*2)		kcal/h (*1)	109,000	114,000	120,000	124,000	127,000
		Btu/h (*1)	433,000	454,000	474,000	491,000	505,000
		kW (*1)	127	133	139	144	148
		kW (*2)	126	132	138	143	147
Power consumption (*2)		kW	40.7	41.7	45.2	47.0	49.2
Capacity control		%	3-100	3-100	3-100	3-100	3-100
Casing colour			Ivory white (5Y7.5/1)				
Compressor	Type		Hermetically sealed scroll type				
	Motor output	kW	((1.4+4.5)×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((1.8+4.5)×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)+((2.8+4.5+4.5)×1)
Airflow rate		m³/min	185+239+239	233+239+239	233+239+239	233+239+239	239+239+239
Dimensions (H×W×D)		mm	(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight		kg	249+341+341	285+341+341	329+341+341	329+341+341	341+341+341
Sound level		dB(A)	67	67	67	67	68
Operation range		°CDB	–5 to 43				
Refrigerant	Type		R-410A				
	Charge	kg	7.9+11.7+11.7	9.5+11.7+11.7	11.3+11.7+11.7	11.5+11.7+11.7	11.7+11.7+11.7
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)
	Gas		ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

High-COP Type (Energy Saving Type)

MODEL	Combination units		RXQ16PAHY1	RXQ18PAHY1	RXQ24PAHY1	RXQ26PAHY1	RXQ28PAHY1	RXQ30PAHY1	RXQ32PAHY1
			RXQ8PAY1 RXQ8PAY1	RXQ8PAY1 RXQ10PAY1	RXQ8PAY1 RXQ8PAY1 RXQ8PAY1	RXQ8PAY1 RXQ8PAY1 RXQ10PAY1	RXQ8PAY1 RXQ8PAY1 RXQ12PAY1	RXQ8PAY1 RXQ10PAY1 RXQ12PAY1	RXQ8PAY1 RXQ12PAY1 RXQ12PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz						
Cooling capacity (*1)(*2)		kcal/h (*1)	38,800	43,600	58,100	63,000	67,800	72,600	77,300
		Btu/h (*1)	154,000	173,000	231,000	250,000	269,000	288,000	307,000
		kW (*1)	45.1	50.7	67.6	73.2	78.8	84.4	89.9
		kW (*2)	44.8	50.4	67.2	72.8	78.3	83.9	89.4
Power consumption (*2)		kW	10.5	13.1	15.7	18.4	19.4	22.1	23.1
Capacity control		%	10-100	8-100	7-100	6-100	6-100	5-100	5-100
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	(3.6×1)+(3.6×1)	(3.6×1)+((1.4+4.5)×1)	(3.6×1)+(3.6×1)+(3.6×1)	(3.6×1)+(3.6×1)+((1.4+4.5)×1)	(3.6×1)+(3.6×1)+((1.8+4.5)×1)	(3.6×1)+((1.4+4.5)×1)+((1.8+4.5)×1)	(3.6×1)+((1.8+4.5)×1)+((1.8+4.5)×1)
Airflow rate		m³/min	180+180	180+185	180+180+180	180+180+185	180+180+233	180+185+233	180+233+233
Dimensions (H×W×D)		mm	(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)
Machine weight		kg	205+205	205+249	205+205+205	205+205+249	205+205+285	205+249+285	205+285+285
Sound level		dB(A)	60	61	62	62	63	63	64
Operation range		°CDB	–5 to 43						
Refrigerant	Type		R-410A						
	Charge	kg	7.2+7.2	7.2+7.9	7.2+7.2+7.2	7.2+7.2+7.9	7.2+7.2+9.5	7.2+7.9+9.5	7.2+9.5+9.5
Piping connections	Liquid	mm	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)	ϕ 15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas		ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)

MODEL	Combination units		RXQ34PAHY1	RXQ36PAHY1	RXQ38PAHY1	RXQ40PAHY1	RXQ42PAHY1	RXQ44PAHY1
			RXQ10PAY1 RXQ12PAY1 RXQ12PAY1	RXQ12PAY1 RXQ12PAY1 RXQ12PAY1	RXQ12PAY1 RXQ12PAY1 RXQ14PAY1	RXQ12PAY1 RXQ12PAY1 RXQ16PAY1	RXQ12PAY1 RXQ12PAY1 RXQ18PAY1	RXQ12PAY1 RXQ16PAY1 RXQ16PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz					
Cooling capacity (*1)(*2)		kcal/h (*1)	82,200	87,700	92,900	97,200	101,000	108,000
		Btu/h (*1)	326,000	348,000	368,000	386,000	399,000	427,000
		kW (*1)	95.6	102	108	113	117	125
		kW (*2)	95.0	101	107	112	116	124
Power consumption (*2)		kW	25.8	26.8	30.3	32.1	34.3	37.3
Capacity control		%	5-100	5-100	4-100	4-100	4-100	4-100
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	((1.4+4.5)×1)+((1.8+4.5)×1)+((1.8+4.5)×1)	((1.8+4.5)×1)+((1.8+4.5)×1)+((1.8+4.5)×1)	((1.8+4.5)×1)+((1.8+4.5)×1)+((1.4+4.5+4.5)×1)	((1.8+4.5)×1)+((1.8+4.5)×1)+((2.7+4.5+4.5)×1)	((1.8+4.5)×1)+((1.8+4.5)×1)+((2.8+4.5+4.5)×1)	((1.8+4.5)×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)
Airflow rate		m³/min	185+233+233	233+233+233	233+233+233	233+233+233	233+233+239	233+233+233
Dimensions (H×W×D)		mm	(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)				
Machine weight		kg	249+285+285	285+285+285	285+285+329	285+285+329	285+285+341	285+329+329
Sound level		dB(A)	64	65	65	65	66	65
Operation range		°CDB	–5 to 43					
Refrigerant	Type		R-410A					
	Charge	kg	7.9+9.5+9.5	9.5+9.5+9.5	9.5+9.5+11.3	9.5+9.5+11.5	9.5+9.5+11.7	9.5+11.5+11.5
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)
	Gas		ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Cooling Only (50 Hz only)

High-COP Type (Energy Saving Type)

MODEL			RXQ46PAHY1	RXQ48PAHY1	RXQ50PAHY1
	Combination units		RXQ12PAY1 RXQ16PAY1 RXQ18PAY1	RXQ16PAY1 RXQ16PAY1 RXQ16PAY1	RXQ16PAY1 RXQ16PAY1 RXQ18PAY1
Power supply			3-phase 4-wire system, 380–415 V, 50 Hz		
Cooling capacity (*1)(*2)		kcal/h (*1)	111,000	117,000	120,000
		Btu/h (*1)	440,000	464,000	478,000
		kW (*1)	129	136	140
		kW (*2)	128	135	139
Power consumption (*2)		kW	39.5	42.6	44.8
Capacity control		%	3-100	3-100	3-100
Casing colour			Ivory white (5Y7.5/1)		
Compressor	Type		Hermetically sealed scroll type		
	Motor output	kW	((1.8+4.5)×1)+((2.7+4.5+4.5)×1)+((2.8+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)+((2.8+4.5+4.5)×1)
Airflow rate		m³/min	233+233+239	233+233+233	233+233+239
Dimensions (H×W×D)		mm	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)		
Machine weight		kg	285+329+341	329+329+329	329+329+341
Sound level		dB(A)	66	65	66
Operation range		°CDB	–5 to 43		
Refrigerant	Type		R-410A		
	Charge	kg	9.5+11.5+11.7	11.5+11.5+11.5	11.5+11.5+11.7
Piping connections	Liquid	mm	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas		ϕ41.3 (Brazing)	ϕ41.3 (Brazing)	ϕ41.3 (Brazing)

Note: Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Heat Pump

Normal Type (Space Saving Type)

MODEL		50 Hz	RXYQ5PAY1(E)	RXYQ8PAY1(E)	RXYQ10PAY1(E)	RXYQ12PAY1(E)	RXYQ14PAY1(E)	RXYQ16PAY1(E)	RXYQ18PAY1(E)
		60 Hz	RXYQ5PAYL(E) RXYQ5PTL(E)	RXYQ8PAYL(E) RXYQ8PTL(E)	RXYQ10PAYL(E) RXYQ10PTL(E)	RXYQ12PAYL(E) RXYQ12PTL(E)	RXYQ14PAYL(E) RXYQ14PTL(E)	RXYQ16PAYL(E) RXYQ16PTL(E)	RXYQ18PAYL(E) RXYQ18PTL(E)
Power supply			Y1: 3-phase 4-wire system, 380–415 V, 50 Hz YL: 3-phase 4-wire system, 380 V, 60 Hz TL: 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity (*1)(*2)		kcal/h (*1)	12,100	19,400	24,300	29,000	34,600	39,000	42,400
		Btu/h (*1)	48,100	76,800	96,200	115,000	137,000	155,000	168,000
		kW (*1)	14.1	22.5	28.2	33.7	40.2	45.3	49.3
		kW (*2)	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Heating capacity		kcal/h	13,800	21,500	27,100	32,300	38,700	43,000	48,600
		Btu/h	54,600	85,300	107,000	128,000	154,000	171,000	193,000
		kW	16.0	25.0	31.5	37.5	45.0	50.0	56.5
Power consumption	Cooling (*2)	kW	3.52	5.24	7.90	8.93	12.4	14.2	16.4
	Heating		4.00	5.74	7.70	9.06	11.3	12.9	15.3
Capacity control		%	28-100	20-100	14-100	14-100	10-100	10-100	9-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor	Type		Hermetically sealed scroll type						
	Motor output	kW	2.8×1	4.5×1	(1.4+4.5)×1	(2.5+4.5)×1	(1.6+4.5+4.5)×1	(2.7+4.5+4.5)×1	(4.3+4.5+4.5)×1
Airflow rate		m³/min	95	180	185	233	233	233	239
Dimensions (H×W×D)		mm	1,680×635×765	1,680×930×765		1,680×1,240×765			
Machine weight		kg	160	205	249	285	329	329	341
Sound level		dB(A)	54	57	58	60	60	60	63
Operation range	Cooling	°CDB	–5 to 43						
	Heating	°CWB	–20 to 15.5						
Refrigerant	Type		R-410A						
	Charge	kg	6.2	7.2	7.9	9.5	11.3	11.5	11.7
Piping connections	Liquid	mm	ϕ9.5 (Brazing)	ϕ9.5 (Brazing)	ϕ9.5 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)
	Gas		ϕ15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ22.2 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)

MODEL			50 Hz	RXYQ20PAY1(E)	RXYQ22PAY1(E)	RXYQ24PAY1(E)	RXYQ26PAY1(E)	RXYQ28PAY1(E)	RXYQ30PAY1(E)	RXYQ32PAY1(E)
			60 Hz	RXYQ20PAYL(E) RXYQ20PTL(E)	RXYQ22PAYL(E) RXYQ22PTL(E)	RXYQ24PAYL(E) RXYQ24PTL(E)	RXYQ26PAYL(E) RXYQ26PTL(E)	RXYQ28PAYL(E) RXYQ28PTL(E)	RXYQ30PAYL(E) RXYQ30PTL(E)	RXYQ32PAYL(E) RXYQ32PTL(E)
	Combination units (50 Hz)			RXYQ8PAY1(E) RXYQ12PAY1(E)	RXYQ10PAY1(E) RXYQ12PAY1(E)	RXYQ8PAY1(E) RXYQ16PAY1(E)	RXYQ8PAY1(E) RXYQ18PAY1(E)	RXYQ10PAY1(E) RXYQ18PAY1(E)	RXYQ12PAY1(E) RXYQ18PAY1(E)	RXYQ16PAY1(E) RXYQ16PAY1(E)
	Combination units (60 Hz)			RXYQ8PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ10PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ16PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ10PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E)
Power supply				Y1: 3-phase 4-wire system, 380–415 V, 50 Hz YL: 3-phase 4-wire system, 380 V, 60 Hz TL: 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity (*1)(*2)			kcal/h (*1)	48,300	53,200	58,300	61,700	66,700	71,400	77,800
			Btu/h (*1)	192,000	211,000	231,000	250,000	264,000	283,000	309,000
			kW (*1)	56.2	61.9	67.8	71.8	77.5	83.0	90.5
			kW (*2)	55.9	61.5	67.4	71.4	77.0	82.5	90.0
Heating capacity			kcal/h	53,800	59,300	64,500	70,100	75,700	80,800	86,000
			Btu/h	213,000	235,000	256,000	278,000	300,000	321,000	341,000
			kW	62.5	69.0	75.0	81.5	88.0	94.0	100
Power consumption	Cooling (*2)		kW	14.2	16.8	19.4	21.6	24.3	25.3	28.4
	Heating			14.8	16.8	18.6	21.0	23.0	24.4	25.8
Capacity control			%	8-100	7-100	6-100	6-100	5-100	5-100	5-100
Casing colour				Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor	Type			Hermetically sealed scroll type						
	Motor output		kW	(4.5×1)+((2.5+4.5)×1)	((1.4+4.5)×1)+((2.5+4.5)×1)	(4.5×1)+((2.7+4.5+4.5)×1)	(4.5×1)+((4.3+4.5+4.5)×1)	((1.4+4.5)×1)+((4.3+4.5+4.5)×1)	((2.5+4.5)×1)+((4.3+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)
Airflow rate			m³/min	180+233	185+233	180+233	180+239	185+239	233+239	233+233
Dimensions (H×W×D)			mm	(1,680×930×765)+(1,680×1,240×765)					(1,680×1,240×765)+(1,680×1,240×765)	
Machine weight			kg	205+285	249+285	205+329	205+341	249+341	285+341	329+329
Sound level			dB(A)	62	62	62	64	64	65	63
Operation range	Cooling		°CDB	–5 to 43						
	Heating		°CWB	–20 to 15.5						
Refrigerant	Type			R-410A						
	Charge		kg	7.2+9.5	7.9+9.5	7.2+11.5	7.2+11.7	7.9+11.7	9.5+11.7	11.5+11.5
Piping connections	Liquid		mm	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas			ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Heat Pump

Normal Type (Space Saving Type)

MODEL								
		50 Hz	RXYQ34PAY1(E)	RXYQ36PAY1(E)	RXYQ38PAY1(E)	RXYQ40PAY1(E)	RXYQ42PAY1(E)	RXYQ44PAY1(E)
		60 Hz	RXYQ34PAYL(E) RXYQ34PTL(E)	RXYQ36PAYL(E) RXYQ36PTL(E)	RXYQ38PAYL(E) RXYQ38PTL(E)	RXYQ40PAYL(E) RXYQ40PTL(E)	RXYQ42PAYL(E) RXYQ42PTL(E)	RXYQ44PAYL(E) RXYQ44PTL(E)
	Combination units (50 Hz)		RXYQ16PAY1(E) RXYQ18PAY1(E)	RXYQ18PAY1(E) RXYQ18PAY1(E)	RXYQ8PAY1(E) RXYQ12PAY1(E) RXYQ18PAY1(E)	RXYQ8PAY1(E) RXYQ16PAY1(E) RXYQ16PAY1(E)	RXYQ8PAY1(E) RXYQ16PAY1(E) RXYQ18PAY1(E)	RXYQ8PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)
	Combination units (60 Hz)		RXYQ16PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)
Power supply			Y1: 3-phase 4-wire system, 380–415 V, 50 Hz		YL: 3-phase 4-wire system, 380 V, 60 Hz		TL: 3-phase 3-wire system, 220 V, 60 Hz	
Cooling capacity (*1)(*2)		kcal/h (*1)	81,400	85,100	91,200	97,200	101,000	104,000
		Btu/h (*1)	323,000	338,000	362,000	386,000	399,000	413,000
		kW (*1)	94.6	99.0	106	113	117	121
		kW (*2)	94.0	98.0	105	112	116	120
Heating capacity		kcal/h	92,000	97,200	102,000	108,000	114,000	119,000
		Btu/h	365,000	386,000	406,000	427,000	450,000	471,000
		kW	107	113	119	125	132	138
Power consumption	Cooling (*2)	kW	30.6	32.8	30.6	33.6	35.8	38.0
	Heating	kW	28.2	30.6	30.1	31.5	33.9	36.3
Capacity control		%	5-100	4-100	4-100	4-100	4-100	4-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	((2.7+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	(4.5×1)+((2.5+4.5)×1)+((4.3+4.5+4.5)×1)	(4.5×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)	(4.5×1)+((2.7+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	(4.5×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)
Airflow rate		m³/min	233+239	239+239	180+233+239	180+233+233	180+233+239	180+239+239
Dimensions (H×W×D)		mm	(1,680×1,240×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight		kg	329+341	341+341	205+285+341	205+329+329	205+329+341	205+341+341
Sound level		dB(A)	65	66	65	64	65	67
Operation range	Cooling	°CDB	–5 to 43					
	Heating	°CWB	–20 to 15.5					
Refrigerant	Type		R-410A					
	Charge	kg	11.5+11.7	11.7+11.7	7.2+9.5+11.7	7.2+11.5+11.5	7.2+11.5+11.7	7.2+11.7+11.7
Piping connections	Liquid	mm	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas	mm	ϕ34.9 (Brazing)	ϕ41.3 (Brazing)	ϕ41.3 (Brazing)	ϕ41.3 (Brazing)	ϕ41.3 (Brazing)	ϕ41.3 (Brazing)

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Normal Type (Space Saving Type)

MODEL								
		50 Hz	RXYQ46PAY1(E)	RXYQ48PAY1(E)	RXYQ50PAY1(E)	RXYQ52PAY1(E)	RXYQ54PAY1(E)	
		60 Hz	RXYQ46PAYL(E) RXYQ46PTL(E)	RXYQ48PAYL(E) RXYQ48PTL(E)	RXYQ50PAYL(E) RXYQ50PTL(E)	RXYQ52PAYL(E) RXYQ52PTL(E)	RXYQ54PAYL(E) RXYQ54PTL(E)	
	Combination units (50 Hz)		RXYQ10PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)	RXYQ12PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)	RXYQ14PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)	RXYQ16PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)	RXYQ18PAY1(E) RXYQ18PAY1(E) RXYQ18PAY1(E)	
	Combination units (60 Hz)		RXYQ10PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ14PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ16PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E) RXYQ18PAYL/PTL(E)	
Power supply			Y1: 3-phase 4-wire system, 380–415 V, 50 Hz		YL: 3-phase 4-wire system, 380 V, 60 Hz		TL: 3-phase 3-wire system, 220 V, 60 Hz	
Cooling capacity (*1)(*2)		kcal/h (*1)	109,000	114,000	120,000	124,000	127,000	
		Btu/h (*1)	433,000	454,000	474,000	491,000	505,000	
		kW (*1)	127	133	139	144	148	
		kW (*2)	126	132	138	143	147	
Heating capacity		kcal/h	125,000	130,000	136,000	140,000	146,000	
		Btu/h	495,000	515,000	539,000	556,000	580,000	
		kW	145	151	158	163	170	
Power consumption	Cooling (*2)	kW	40.7	41.7	45.2	47.0	49.2	
	Heating	kW	38.3	39.7	41.9	43.5	45.9	
Capacity control		%	3-100	3-100	3-100	3-100	3-100	
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)					
Compressor	Type		Hermetically sealed scroll type					
	Motor output	kW	((1.4+4.5)×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((2.5+4.5)×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((1.6+4.5+4.5)×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	
Airflow rate		m³/min	185+239+239	233+239+239	233+239+239	233+239+239	239+239+239	
Dimensions (H×W×D)		mm	(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)				
Machine weight		kg	249+341+341	285+341+341	329+341+341	329+341+341	341+341+341	
Sound level		dB(A)	67	67	67	67	68	
Operation range	Cooling	°CDB	–5 to 43					
	Heating	°CWB	–20 to 15.5					
Refrigerant	Type		R-410A					
	Charge	kg	7.9+11.7+11.7	9.5+11.7+11.7	11.3+11.7+11.7	11.5+11.7+11.7	11.7+11.7+11.7	
Piping connections	Liquid	mm	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	
	Gas	mm	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
- •Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- •Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Heat Pump

High-COP Type (Energy Saving Type)

MODEL			50 Hz	RXYQ16PAHY1(E)	RXYQ18PAHY1(E)	RXYQ24PAHY1(E)	RXYQ26PAHY1(E)	RXYQ28PAHY1(E)	RXYQ30PAHY1(E)	RXYQ32PAHY1(E)
			60 Hz	RXYQ16PAHYL(E) RXYQ16PHTL(E)	RXYQ18PAHYL(E) RXYQ18PHTL(E)	RXYQ24PAHYL(E) RXYQ24PHTL(E)	RXYQ26PAHYL(E) RXYQ26PHTL(E)	RXYQ28PAHYL(E) RXYQ28PHTL(E)	RXYQ30PAHYL(E) RXYQ30PHTL(E)	RXYQ32PAHYL(E) RXYQ32PHTL(E)
	Combination units (50 Hz)			RXYQ8PAY1(E) RXYQ8PAY1(E)	RXYQ8PAY1(E) RXYQ10PAY1(E)	RXYQ8PAY1(E) RXYQ8PAY1(E) RXYQ8PAY1(E)	RXYQ8PAY1(E) RXYQ8PAY1(E) RXYQ10PAY1(E)	RXYQ8PAY1(E) RXYQ8PAY1(E) RXYQ12PAY1(E)	RXYQ8PAY1(E) RXYQ10PAY1(E) RXYQ12PAY1(E)	RXYQ8PAY1(E) RXYQ12PAY1(E) RXYQ12PAY1(E)
	Combination units (60 Hz)			RXYQ8PAYL/PTL(E) RXYQ8PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ10PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ8PAYL/PTL(E) RXYQ8PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ8PAYL/PTL(E) RXYQ10PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ8PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ10PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ8PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E)
Power supply				Y1: 3-phase 4-wire system, 380–415 V, 50 Hz YL: 3-phase 4-wire system, 380 V, 60 Hz TL: 3-phase 3-wire system, 220 V, 60 Hz						
Cooling capacity (*1)(*2)		kcal/h	(*1)	38,800	43,600	58,100	63,000	67,800	72,600	77,300
		Btu/h	(*1)	154,000	173,000	231,000	250,000	269,000	288,000	307,000
		kW	(*1)	45.1	50.7	67.6	73.2	78.8	84.4	89.9
			(*2)	44.8	50.4	67.2	72.8	78.3	83.9	89.4
Heating capacity		kcal/h		43,000	48,600	64,500	70,100	75,300	80,800	86,000
		Btu/h		171,000	193,000	260,000	278,000	299,000	321,000	341,000
		kW		50.0	56.5	75.0	81.5	87.5	94.0	100
Power consumption	Cooling (*2)	kW		10.5	13.1	15.7	18.4	19.4	22.1	23.1
	Heating			11.5	13.4	17.2	19.2	20.5	22.5	23.9
Capacity control		%		10-100	8-100	7-100	6-100	6-100	5-100	5-100
Casing colour				Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor	Type			Hermetically sealed scroll type						
	Motor output	kW		(4.5×1)+(4.5×1)	(4.5×1)+((1.4+4.5)×1)	(4.5×1)+(4.5×1)+(4.5×1)	(4.5×1)+(4.5×1)+((1.4+4.5)×1)	(4.5×1)+(4.5×1)+((2.5+4.5)×1)	(4.5×1)+((1.4+4.5)×1)+((2.5+4.5)×1)	(4.5×1)+((2.5+4.5)×1)+((2.5+4.5)×1)
Airflow rate		m³/min		180+180	180+185	180+180+180	180+180+185	180+180+233	180+185+233	180+233+233
Dimensions (H×W×D)		mm		(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)
Machine weight		kg		205+205	205+249	205+205+205	205+205+249	205+205+285	205+249+285	205+285+285
Sound level		dB(A)		60	61	62	62	63	63	64
Operation range	Cooling	°CDB		–5 to 43						
	Heating	°CWB		–20 to 15.5						
Refrigerant	Type			R-410A						
	Charge	kg		7.2+7.2	7.2+7.9	7.2+7.2+7.2	7.2+7.2+7.9	7.2+7.2+9.5	7.2+7.9+9.5	7.2+9.5+9.5
Piping connections	Liquid	mm		ϕ12.7 (Brazing)	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas			ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
- Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

High-COP Type (Energy Saving Type)

MODEL			50 Hz	RXYQ34PAHY1(E)	RXYQ36PAHY1(E)	RXYQ38PAHY1(E)	RXYQ40PAHY1(E)	RXYQ42PAHY1(E)	RXYQ44PAHY1(E)
			60 Hz	RXYQ34PAHYL(E) RXYQ34PHTL(E)	RXYQ36PAHYL(E) RXYQ36PHTL(E)	RXYQ38PAHYL(E) RXYQ38PHTL(E)	RXYQ40PAHYL(E) RXYQ40PHTL(E)	RXYQ42PAHYL(E) RXYQ42PHTL(E)	RXYQ44PAHYL(E) RXYQ44PHTL(E)
	Combination units (50 Hz)			RXYQ10PAY1(E) RXYQ12PAY1(E) RXYQ12PAY1(E)	RXYQ12PAY1(E) RXYQ12PAY1(E) RXYQ12PAY1(E)	RXYQ12PAY1(E) RXYQ12PAY1(E) RXYQ14PAY1(E)	RXYQ12PAY1(E) RXYQ12PAY1(E) RXYQ16PAY1(E)	RXYQ12PAY1(E) RXYQ12PAY1(E) RXYQ18PAY1(E)	RXYQ12PAY1(E) RXYQ16PAY1(E) RXYQ16PAY1(E)
	Combination units (60 Hz)			RXYQ10PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ14PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ16PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ12PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ12PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E)
Power supply				Y1: 3-phase 4-wire system, 380–415 V, 50 Hz YL: 3-phase 4-wire system, 380 V, 60 Hz TL: 3-phase 3-wire system, 220 V, 60 Hz					
Cooling capacity (*1)(*2)		kcal/h	(*1)	82,200	87,700	92,900	97,200	101,000	108,000
		Btu/h	(*1)	326,000	348,000	368,000	386,000	399,000	427,000
		kW	(*1)	95.6	102	108	113	117	125
			(*2)	95.0	101	107	112	116	124
Heating capacity		kcal/h		92,000	97,200	103,000	108,000	114,000	119,000
		Btu/h		365,000	386,000	409,000	427,000	450,000	471,000
		kW		107	113	120	125	132	138
Power consumption	Cooling (*2)	kW		25.8	26.8	30.3	32.1	34.3	37.3
	Heating			25.8	27.2	29.4	31.0	33.4	34.9
Capacity control		%		5-100	5-100	4-100	4-100	4-100	4-100
Casing colour				Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)					
Compressor	Type			Hermetically sealed scroll type					
	Motor output	kW		((1.4+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((1.6+4.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.7+4.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((4.3+4.5+4.5)×1)	((2.5+4.5)×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)
Airflow rate		m³/min		185+233+233	233+233+233	233+233+233	233+233+233	233+233+239	233+233+233
Dimensions (H×W×D)		mm		(1,680X930X765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)				
Machine weight		kg		249+285+285	285+285+285	285+285+329	285+285+329	285+285+341	285+329+329
Sound level		dB(A)		64	65	65	65	66	65
Operation range	Cooling	°CDB		–5 to 43					
	Heating	°CWB		–20 to 15.5					
Refrigerant	Type			R-410A					
	Charge	kg		7.9+9.5+9.5	9.5+9.5+9.5	9.5+9.5+11.3	9.5+9.5+11.5	9.5+9.5+11.7	9.5+11.5+11.5
Piping connections	Liquid	mm		ϕ 19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ 19.1 (Brazing)	ϕ19.1 (Brazing)	ϕ19.1 (Brazing)
	Gas			ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
- Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
  (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Heat Pump

High-COP Type (Energy Saving Type)

MODEL			50 Hz	RXYQ46PAHY1(E)	RXYQ48PAHY1(E)	RXYQ50PAHY1(E)
			60 Hz	RXYQ46PAHYL(E) RXYQ46PHTL(E)	RXYQ48PAHYL(E) RXYQ48PHTL(E)	RXYQ50PAHYL(E) RXYQ50PHTL(E)
	Combination units (50 Hz)			RXYQ12PAY1(E) RXYQ16PAY1(E) RXYQ18PAY1(E)	RXYQ16PAY1(E) RXYQ16PAY1(E) RXYQ16PAY1(E)	RXYQ16PAY1(E) RXYQ16PAY1(E) RXYQ18PAY1(E)
	Combination units (60 Hz)			RXYQ12PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ18PAYL/PTL(E)	RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E)	RXYQ16PAYL/PTL(E) RXYQ16PAYL/PTL(E) RXYQ18PAYL/PTL(E)
Power supply				Y1: 3-phase 4-wire system, 380–415 V, 50 Hz	YL: 3-phase 4-wire system, 380 V, 60 Hz	TL: 3-phase 3-wire system, 220 V, 60 Hz
Cooling capacity (*1)(*2)			kcal/h (*1)	111,000	117,000	120,000
			Btu/h (*1)	440,000	464,000	478,000
		kW	(*1)	129	136	140
			(*2)	128	135	139
Heating capacity			kcal/h	124,000	129,000	134,000
			Btu/h	491,000	512,000	532,000
			kW	144	150	156
Power consumption	Cooling (*2)	kW		39.5	42.6	44.8
	Heating			37.3	38.7	41.1
Capacity control			%	3-100	3-100	3-100
Casing colour				Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)		
Compressor	Type			Hermetically sealed scroll type		
	Motor output	kW		((2.5+4.5)×1)+((2.7+4.5+4.5)×1)+((4.3+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)	((2.7+4.5+4.5)×1)+((2.7+4.5+4.5)×1)+((4.3+4.5+4.5)×1)
Airflow rate		m^3/min		233+233+239	233+233+233	233+233+239
Dimensions (H×W×D)		mm		(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)		
Machine weight		kg		285+329+341	329+329+329	329+329+341
Sound level		dB(A)		66	65	66
Operation range	Cooling	°CDB		–5 to 43		
	Heating	°CWB		–20 to 15.5		
Refrigerant	Type			R-410A		
	Charge	kg		9.5+11.5+11.7	11.5+11.5+11.5	11.5+11.5+11.7
Piping connections	Liquid	mm		φ19.1 (Brazing)	φ19.1 (Brazing)	φ19.1 (Brazing)
	Gas			φ41.3 (Brazing)	φ41.3 (Brazing)	φ41.3 (Brazing)

Notes: 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.

2. Specifications are based on the following conditions;
   - Cooling: (*1) Indoor temp.: 27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
     (*2) Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
   - Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
   - Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
     During actual operation, these values are normally somewhat higher as a result of ambient conditions.

INDOOR UNITS

Ceiling Mounted Cassette (Round Flow) Type

No.	Item \ Type	FXFQ25P	FXFQ32P	FXFQ40P	FXFQ50P	FXFQ63P	FXFQ80P	FXFQ100P	FXFQ125P
1	Decoration panel	BYCP125K-W1							
2	Sealing member of air discharge outlet	KDBH55K160F							
3	Panel spacer	KDBP55H160FA							
4	Filter related: High efficiency filter unit 65%	KAFP556B80						KAFP556B160	
	Filter related: High efficiency filter unit 90%	KAFP557B80						KAFP557B160	
	Filter related: Replacement high efficiency filter 65%	KAFP552B80						KAFP552B160	
	Filter related: Replacement high efficiency filter 90%	KAFP553B80						KAFP553B160	
	Filter related: Filter chamber	KDDFP55B160							
	Filter related: Long life replacement filter / Non-woven type	KAFP551K160							
	Filter related: Ultra long-life filter	KAFP55B160							
	Filter related: Replacement ultra long-life filter	KAFP55H160H							
5	Fresh air intake kit: Chamber type / Without T shape and fan	KDDP55B160							
	Fresh air intake kit: Chamber type / With T shape without fan	KDDP55B160K							
	Fresh air intake kit: Direct installation type	KDDP55X160							
6	Branch duct chamber	KDJP55B80						KDJP55B160	
7	Chamber connection kit	KKSJ55KA160							
8	Insulation kit for high humidity	KDTP55K80						KDTP55K160	

Ceiling Mounted Cassette (Compact Multi Flow) Type

No.	Item \ Type	FXZQ20M	FXZQ25M	FXZQ32M	FXZQ40M	FXZQ50M
1	Decoration panel	BYFQ60B8W1				
2	Sealing member of air discharge outlet	KDBH44BA60				
3	Panel spacer	KDBQ44BA60A				
4	Replacement long-life filter	KAFQ441BA60				
5	Fresh air intake kit / Direct installation type	KDDQ44XA60				

Ceiling Mounted Cassette (Double Flow) Type

No.	Item \ Type	FXCQ20M FXCQ25M FXCQ32M	FXCQ40M	FXCQ50M	FXCQ63M	FXCQ80M	FXCQ125M
1	Decoration panel	BYBC32G-W1	BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
2	Filter related: High efficiency filter 65% ★1	KAFJ532G36	KAFJ532G56		KAFJ532G80	KAFJ532G160	
	Filter related: High efficiency filter 90% ★1	KAFJ533G36	KAFJ533G56		KAFJ533G80	KAFJ533G160	
	Filter related: Filter chamber / bottom suction	KDDFJ53G36	KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
	Filter related: Long life replacement filter	KAFJ531G36	KAFJ531G56		KAFJ531G80	KAFJ531G160	

Note: ★1 Filter chamber is required if installing high efficiency filter.

Ceiling Mounted Cassette Corner Type

No.	Item \ Type	FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
1	Panel related: Decoration panel	BYK45FJW1			BYK71FJW1
	Panel related: Panel spacer	KPBJ52F56W			KPBJ52F80W
2	Air inlet and air discharge outlet related: Long life replacement filter	KAFJ521F56			KAFJ521F80
	Air inlet and air discharge outlet related: Air discharge grille	K-HV7AW			K-HV9AW
	Air inlet and air discharge outlet related: Air discharge blind panel	KDBJ52F56W			KDBJ52F80W
	Air inlet and air discharge outlet related: Flexible duct (with shutter)	KFDJ52FA56			KFDJ52FA80

Slim Ceiling Mounted Duct Type (700 mm width type)

No.	Item \ Type	FXDQ20PB	FXDQ25PB	FXDQ32PB
1	Insulation kit for high humidity	KDT25N32		

Slim Ceiling Mounted Duct Type (900/1,100 mm width type)

No.	Item \ Type	FXDQ40NB	FXDQ50NB	FXDQ63NB
1	Insulation kit for high humidity	KDT25N50		KDT25N63

Option List

INDOOR UNITS

Ceiling Mounted Duct Type

No.	Item \ Type		FXMQ20P FXMQ25P FXMQ32P	FXMQ40P	FXMQ50P FXMQ63P FXMQ80P	FXMQ100P FXMQ125P FXMQ140P	FXMQ200MA FXMQ250MA
1	Drain pump kit		—				KDU30L250VE
2	High efficiency filter	65%	KAF372AA36	KAF372AA56	KAF372AA80	KAF372AA160	KAFJ372L280
		90%	KAF373AA36	KAF373AA56	KAF373AA80	KAF373AA160	KAFJ373L280
3	Filter chamber		KDDF37AA36	KDDF37AA56	KDDF37AA80	KDDF37AA160	KDJ3705L280
4	Long life replacement filter		KAF371AA36	KAF371AA56	KAF371AA80	KAF371AA160	KAFJ371L280
5	Long life filter chamber kit		KAF375AA36	KAF375AA56	KAF375AA80	KAF375AA160	—
6	Service panel	White	KTBJ25K36W	KTB25KA56W	KTB25KA80W	KTB25KA160W	
		Fresh white	KTBJ25K36F	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F	
		Brown	KTBJ25K36T	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T	
7	Air discharge adaptor		KDAJ25K36A	KDAJ25K56A	KDAJ25K71A	KDAJ25K140A	

Ceiling Suspended Type

No.	Item \ Type	FXHQ32MA	FXHQ63MA	FXHQ100MA
1	Drain pump kit	KDU50N60VE	KDU50N125VE	
2	Replacement long-life filter (Resin net)	KAF501DA56	KAF501DA80	KAF501DA112
3	L-type piping kit (for upward direction)	KHFP5MA63	KHFP5MA160	

Wall Mounted Type

No.	Item \ Type	FXAQ20P	FXAQ25P	FXAQ32P	FXAQ40P	FXAQ50P	FXAQ63P
1	Drain pump kit	K-KDU572EVE					

Floor Standing Type

No.	Item \ Type	FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

Concealed Floor Standing Type

No.	Item \ Type	FXNQ20MA	FXNQ25MA	FXNQ32MA	FXNQ40MA	FXNQ50MA	FXNQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

Ceiling Suspended Cassette Type

No.	Item \ Type	FXUQ71MA	FXUQ100MA	FXUQ125MA
1	Replacement long-life filter	KAF495FA140		
2	Sealing member of air discharge outlet (*1)	KDBH49FA80	KDBH49FA140	
3	Decoration panel for air discharge	KDBT49FA80	KDBT49FA140	
4	Vertical flap kit	KDGJ49FA80	KDGJ49FA140	
5	L-shape piping kit	KHFP49MA140		

Note: (*1): This option is necessary for setting up 2-way (opposing directional) airflow when the air conditioner is installed.

OUTDOOR UNITS

Normal Type (Space Saving Type)

No.	Item \ Type		RX(Y)Q5P(A)(E)	RX(Y)Q8P(A)(E) RX(Y)Q10P(A)(E)	RX(Y)Q12P(A)(E) RX(Y)Q14P(A)(E) RX(Y)Q16P(A)(E) RX(Y)Q18P(A)(E)
1	Cool/Heat Selector		KRC19–26A (Applies to RXYQ only)		
1-1	Fixing box		KJB111A (Applies to RXYQ only)		
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch)	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)
		REFNET joint	KHRP26A22T	KHRP26A22T, KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26A72T
3	Outdoor unit multi connection piping kit		—	—	—
4	Central drain pan kit		KWC26C160(E)	KWC26C280(E)	KWC26C450(E)
5	Digital pressure gauge kit		BHGP26A1(E)		

No.	Item \ Type		RX(Y)Q20P(A)(E) RX(Y)Q22P(A)(E)	RX(Y)Q24P(A)(E) RX(Y)Q26P(A)(E) RX(Y)Q28P(A)(E)	RX(Y)Q30P(A)(E) RX(Y)Q32P(A)(E) RX(Y)Q34P(A)(E) RX(Y)Q36P(A)(E)	RX(Y)Q38P(A)(E) RX(Y)Q40P(A)(E) RX(Y)Q42P(A)(E) RX(Y)Q44P(A)(E) RX(Y)Q46P(A)(E)	RX(Y)Q48P(A)(E) RX(Y)Q50P(A)(E) RX(Y)Q52P(A)(E) RX(Y)Q54P(A)(E)
1	Cool/Heat Selector		KRC19–26A (Applies to RXYQ only)				
1-1	Fixing box		KJB111A (Applies to RXYQ only)				
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)			
		REFNET joint	KHRP26A22T, KHRP26A33T KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
3	Pipe size reducer		—	KHRP26M73TP, KHRP26M73HP			
4	Outdoor unit multi connection piping kit		BHFP22P100			BHFP22P151	
5	Central drain pan kit		KWC26C280(E) KWC26C450(E)		KWC26C450(E)×2	KWC26C280(E) KWC26C450(E)×2	KWC26C450(E)×3
6	Digital pressure gauge kit		BHGP26A1(E)				

(E): Specification with anti-corrosion treatment.

High-COP Type (Energy Saving Type)

No.	Item \ Type		RX(Y)Q16P(A)H(E) RX(Y)Q18P(A)H(E)	RX(Y)Q24P(A)H(E) RX(Y)Q26P(A)H(E)	RX(Y)Q28P(A)H(E) RX(Y)Q30P(A)H(E)	RX(Y)Q32P(A)H(E) RX(Y)Q34P(A)H(E)	RX(Y)Q36P(A)H(E) RX(Y)Q38P(A)H(E) RX(Y)Q40P(A)H(E) RX(Y)Q42P(A)H(E) RX(Y)Q44P(A)H(E) RX(Y)Q46P(A)H(E) RX(Y)Q48P(A)H(E) RX(Y)Q50P(A)H(E)
1	Cool/Heat Selector		KRC19–26A (Applies to RXYQ only)				
1-1	Fixing box		KJB111A (Applies to RXYQ only)				
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)			
		REFNET joint	KHRP26A22T, KHRP26A33T KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
3	Pipe size reducer		—	KHRP26M73TP, KHRP26M73HP			
4	Outdoor unit multi connection piping kit		BHFP22P100	BHFP22P151			
5	Central drain pan kit		KWC26C280(E)×2	KWC26C280(E)×3	KWC26C280(E)×2 KWC26C450(E)	KWC26C280(E) KWC26C450(E)×2	KWC26C450(E)×3
6	Digital pressure gauge kit		BHGP26A1(E)				

(E): Specification with anti-corrosion treatment.

Individual Control Systems

Navigation remote controller (Wired remote controller) (Option)

BRC1E61

- Large buttons and arrow keys for easy operation.
- Guide on display gives an explanation of each setting.
- Backlight and dot matrix LCD display for easy viewing.
- Weekly schedule timer can be set up easily.
- 10 display languages are available.
  (English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian and Turkish)

Wired remote controller (Option)

Displays current airflow, swing, temperature, operating mode and timer settings.

BRC1C62

Wired remote controller with weekly schedule timer (Option)

Adds weekly schedule timer function.

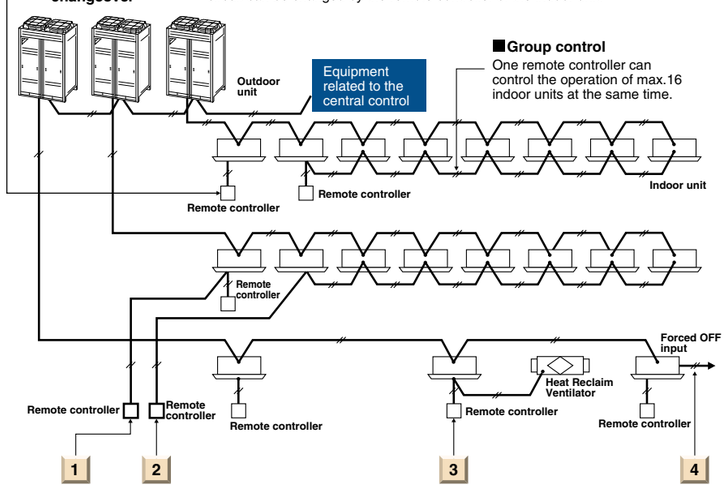
BRC1D61

Notes: 1. Standard remote controllers (BRC1C62) not required.
2. If the BRC1D61 is connected to the centralised remote controllers (DCS303A51, DCS302CA61, DCS301BA61, DST301BA61), the schedule function is not available.

The wired remote controller supports a wide range of control functions

■Control of Cool/Heat changeover In all the series of VRV, Cool/Heat changeover in the same refrigerant circuit can be changed by the remote controller of the indoor unit.

■Group control One remote controller can control the operation of max.16 indoor units at the same time.



1 Control by two remote controller
The indoor unit can be connected by the two remote controller, for example one in the room and the other one in the control room, which can control the operation of indoor unit freely. (The last command has a priority.) Of course, the group control by two remote controller is also possible.

2 Remote control
The wiring of remote controller can be extended to max. 500 m and it is possible to install the remote controllers for the different indoor units in one place.

3 Control for the combined operation
The operation of the Heat Reclaim Ventilator can be controlled by the remote controller of the indoor unit. Of course, the remote controller can display the time to clean the filter.

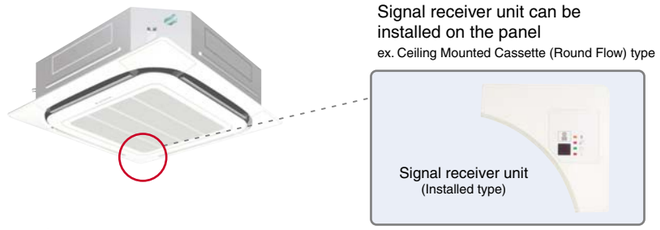
4 Expansion of system control
The system can be expanded to add several controllers, such as BMS, Forced OFF input and etc.

Wireless remote controller (Option)

Wireless remote controller

Signal receiver unit
(Separate type)

■The same operation modes and settings as with wired remote controllers are possible.
■A compact signal receiver unit (separate type) to be mounted into a wall or ceiling is included.
• A signal receiver unit (installed type) for a Ceiling Mounted Cassette (Round Flow, Compact Multi Flow, Double Flow) type, Ceiling Suspended type and Wall Mounted type is mounted into the indoor unit.


Signal receiver unit can be installed on the panel
ex. Ceiling Mounted Cassette (Round Flow) type
Signal receiver unit
(Installed type)

*Wireless remote controller and signal receiver unit are sold as a set.
*Refer to page 57 for the name of each model.

Simplified remote controller (Option)

Exposed type
(BRC2C51)

Concealed type
(For hotel use)
(BRC3A61)

■The remote controller has centralised its frequently used operation selectors and switches (on/off, operation mode, temperature setting and airflow volume), making itself suitable for use in hotel rooms or conference rooms.
■The exposed type remote controller is fitted with a thermostat sensor.

The concealed type remote controller smartly fits into a night table or console panel in a hotel room.

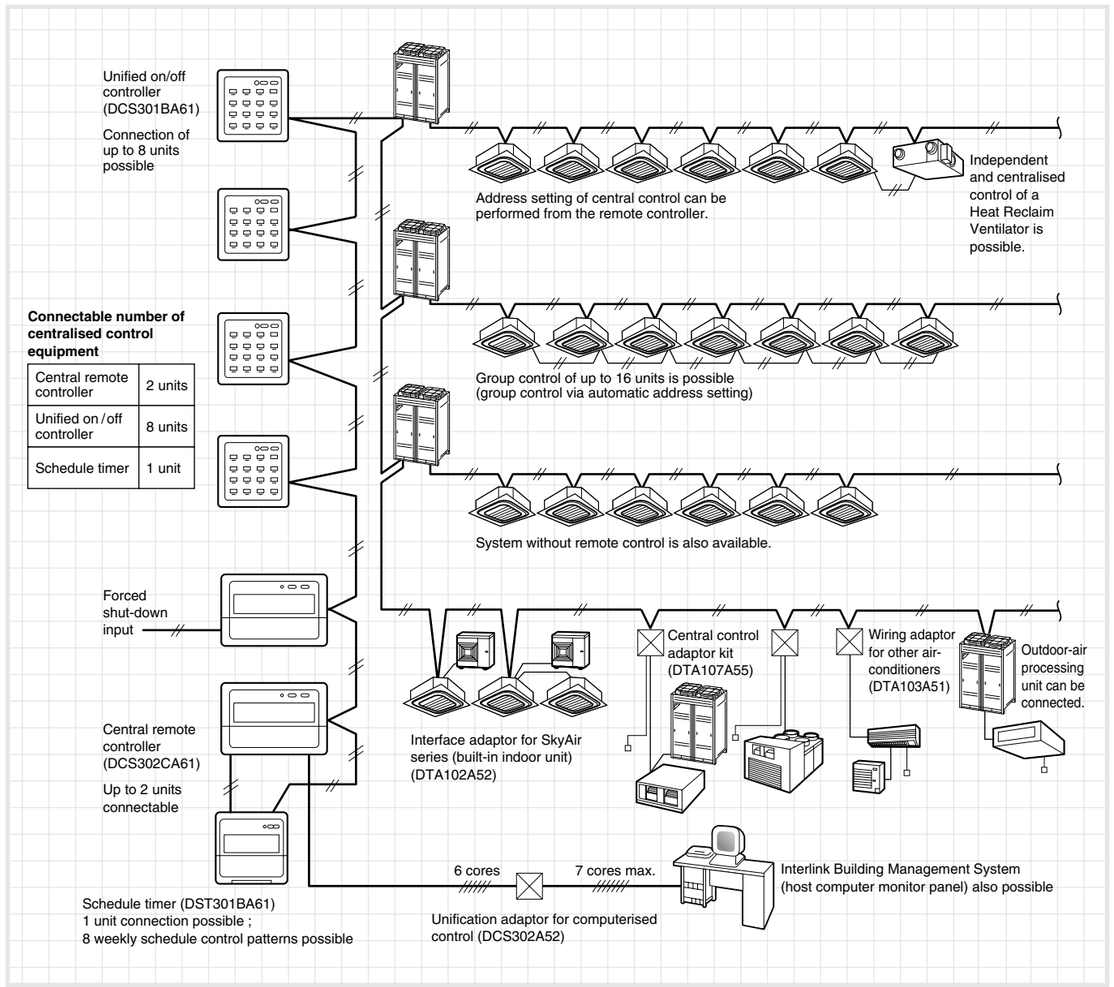
Wide variation of remote controllers for indoor units

	FXFQ	FXZQ	FXCQ	FXKQ	FXDQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXUQ
Navigation remote controller (Wired remote controller) (BRC1E61)	●	●	●	●	●	●	●	●	●	●
Wired remote controller (BRC1C62)	●	●	●	●	●	●	●	●	●	●
Wired remote controller with weekly schedule timer (BRC1D61)	●	●	●	●	●	●	●	●	●	●
Wireless remote controller* (Installed type signal receiver unit)	●	●	●				●	●		●
Wireless remote controller* (Separate type signal receiver unit)				●	●	●			●	
Simplified remote controller (Exposed type) (BRC2C51)					●	●			●	
Simplified remote controller (Concealed type: for Hotel use) (BRC3A61)					●	●			●	

*Refer to page 57 for the name of each model.

Centralised Control Systems

- Up to 64 groups of indoor units (128 units) can be centrally controlled.
- Optional controllers for centralised control can be combined freely, and system can be designed in accordance with building scale and purpose.
- System integration with various air-conditioning peripheral equipment, such as a Heat Reclaim Ventilator, is easy.
- Wiring can be run up to a total length of 2 km, and adapts easily to large-scale system expansion.


Unified on/off controller (DCS301BA61)
Connection of up to 8 units possible
Address setting of central control can be performed from the remote controller.
Independent and centralised control of a Heat Reclaim Ventilator is possible.
Connectable number of centralised control equipment
Central remote controller 2 units
Unified on/off controller 8 units
Schedule timer 1 unit
Group control of up to 16 units is possible (group control via automatic address setting)
System without remote control is also available.
Forced shut-down input
Central remote controller (DCS302CA61)
Up to 2 units connectable
Interface adaptor for SkyAir series (built-in indoor unit) (DTA102A52)
Central control adaptor kit (DTA107A55)
Wiring adaptor for other air-conditioners (DTA103A51)
Outdoor-air processing unit can be connected.
Schedule timer (DST301BA61)
1 unit connection possible ;
8 weekly schedule control patterns possible
6 cores
7 cores max.
Unification adaptor for computerised control (DCS302A52)
Interlink Building Management System (host computer monitor panel) also possible

• Certain indoor units limit the functions of some control systems.
For more details, please refer to the Engineering Data Book.

Residential central remote controller* (Option)

DCS303A51

Max. 16 groups of indoor units can be easily controlled with the large LCD panel.

- Max. 16 groups (128 indoor units) controllable
- Backlight and large LCD panel for easy readability
- ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
- All indoor units can be turned on or off at once with “ALL” button.
- Each group has a dedicated button for convenience.
- Outside temperature display

* For residential use only. Cannot be used with other centralised control equipment.

Central remote controller (Option)

DCS302CA61

Max. 64 groups (zones) of indoor units can be controlled individually same as LCD Remote controller.

- Max. 64 groups (128 indoor units) controllable
- Max. 128 groups (128 indoor units) are controllable by using 2 central remote controllers, which can control from 2 different places.
- Zone control
- Malfunction code display
- Max. wiring length 1,000 m (Total: 2,000 m)
- Connectable with Unified ON/OFF controller, schedule timer and BMS system
- Airflow volume and direction can be controlled individually for indoor units in each group operation.
- Ventilation volume and mode can be controlled for the Heat Reclaim Ventilator.
- Up to 4 ON/OFF pairs can be set per day by connecting a schedule timer.

Unified ON/OFF controller (Option)

DCS301BA61

Max. 16 groups of indoor units can be operated simultaneously/individually.

- Max. 16 groups (128 indoor units) controllable
- 2 remote controllers can be used to control from 2 different places.
- Operating status indication (Normal operation, Alarm)
- Centralised control indication
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Connectable with Central Remote controller, Schedule timer and BMS system

Schedule timer (Option)

DST301BA61

Max. 128 indoor units can be operated as programmed schedule.

- Max. 128 indoor units controllable
- When used in combination with a central remote controller, a maximum of 8 weekly schedule patterns can be set, while the central controller can be used to select desired zones. Up to 2 ON/OFF pairs can be set per day.
- Max. 48 hours back up power supply
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Connectable with Central Remote controller, Unified ON/OFF controller and BMS system

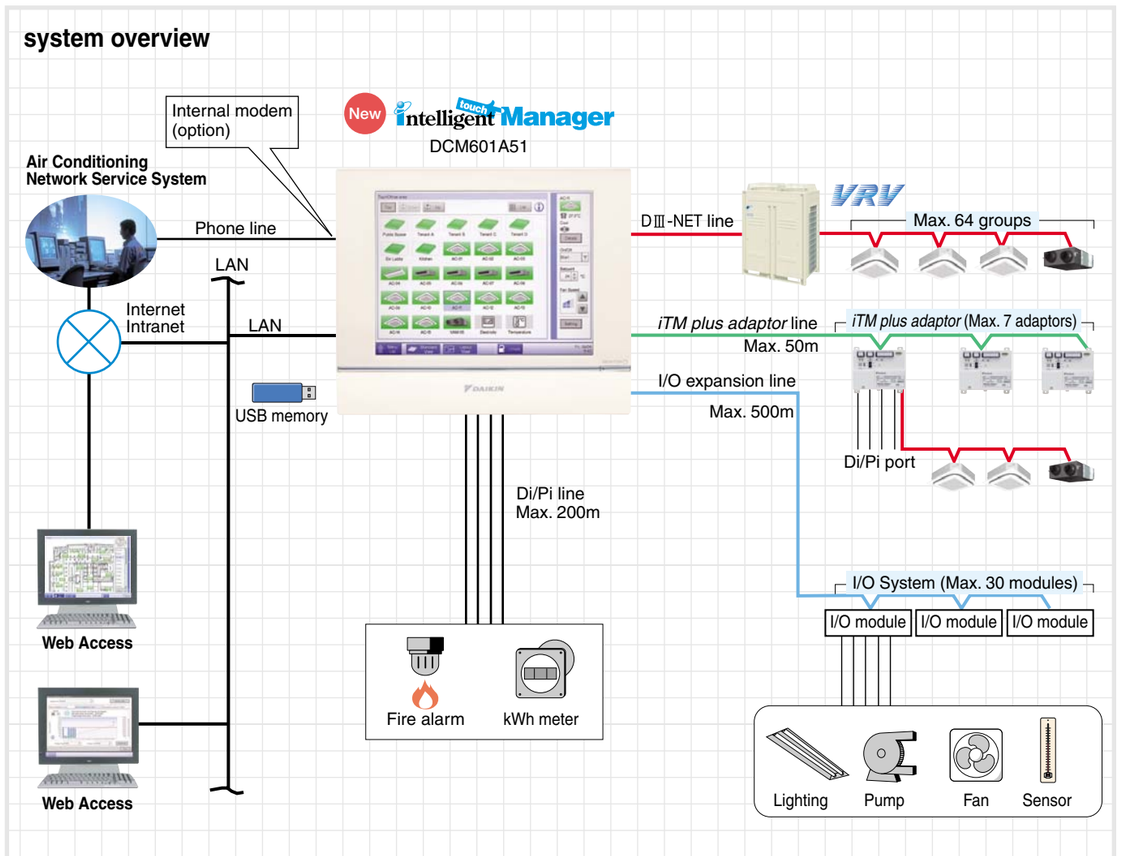
Advanced Control Systems

intelligent touch Manager New

One touch selection to total air comfort

Daikin proudly introduces its new *intelligent Touch Manager*, a VRV system controller featuring an array of simple, useful system management functions for added value.

Up to 2,560 groups (5,120 indoor units) can be controlled by one system



Features

Central control

- Handy area settings simplify detailed management of VRV.
- Display of floor plans enables a quick search of desired air conditioning units.
- Operation history shows manner of control and origin in past operations of air conditioning units.

Remote access

- Remote access with a PC allows total air conditioning management using the same type of screens as those displayed in the *intelligent Touch Manager*.
- Authorised users can centrally control individual air conditioning units from their own computers.

Automatic control

- VRVs are controlled automatically throughout the year by the schedule function.
- Interlocking VRVs and other equipment enables easy automation of building facilities operation.
- Setback adjusts temperature settings even when rooms are unoccupied.

Energy management

- The Energy Navigator feature simplifies energy management by tracking energy consumption data and identifying inefficient operation.

Troubleshooting

- Contact information of maintenance contractors can be registered and displayed.
- E-mails are sent automatically to alert of malfunctions and potential trouble.
- The *intelligent Touch Manager* can link to the Air Conditioning Network Service System for 24-hour monitoring of operating conditions and status.

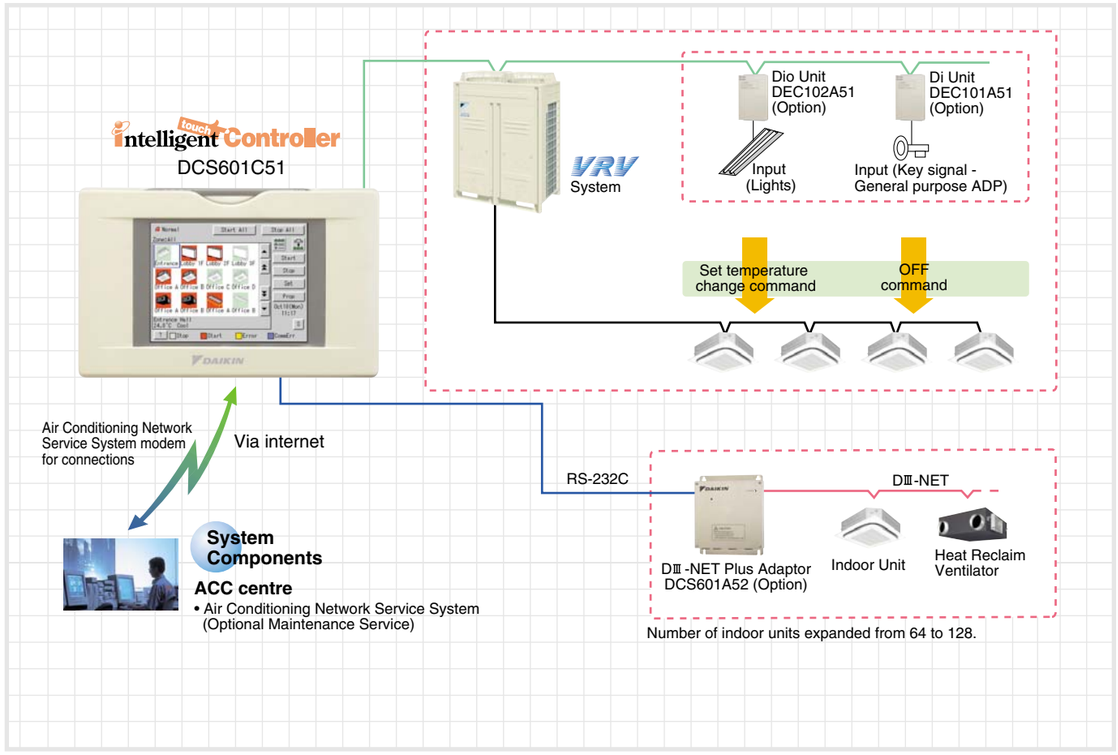
Scalability

- A single *intelligent Touch Manager* can manage a small building or be expanded to handle medium- to large-sized buildings.
- Large building properties can also take advantage of the *iTM integrator* to link up and expand system up to 5 *intelligent Touch Managers* for integrated control.

Advanced Control Systems

intelligent touch Controller

Communication functions in the user-friendly icon-based multilingual controller simplify centralised control of the VRV system.

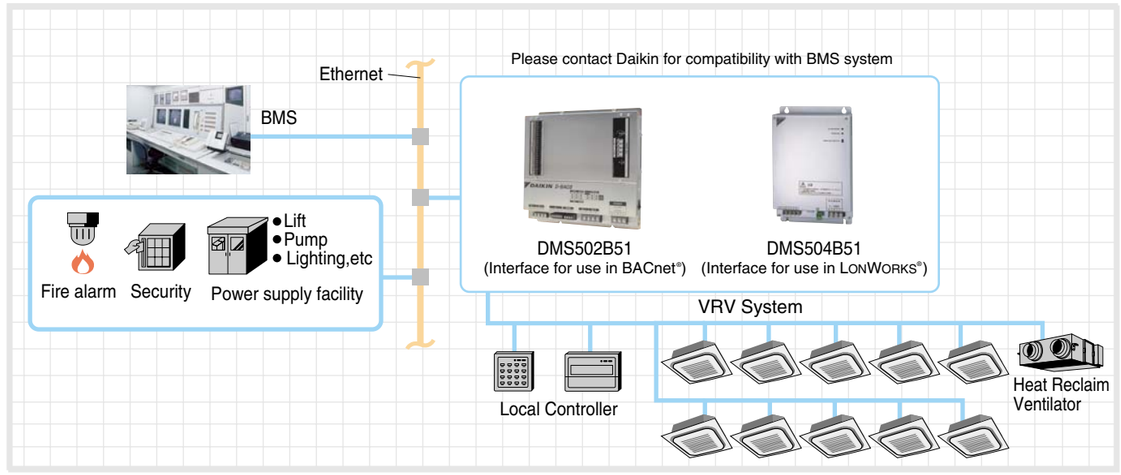


Features

- Colour LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language (English, French, Italian, German, Spanish, Dutch, Portuguese, Chinese and Korean)
- Yearly schedule
- Auto heat/cool change-over
- Temperature limitation
- Enhanced history function
- Simple Interlock Function
- Built-in modem for connecting to Air Conditioning Network Service System (Option)
- Doubling of number of connectable indoor units by adding a DIII-NET Plus Adaptor (Option)
- Management of facilities/equipment other than A/C units (By adding Dio unit or Di unit)

Interface for BACnet® and LONWORKS®

Integrated control systems that recognise the trend of open control systems



■ Compatibility with BMS enhanced by utilising the international communication standards, BACnet® or LONWORKS®.

DMS502B51 Interface for use in BACnet®

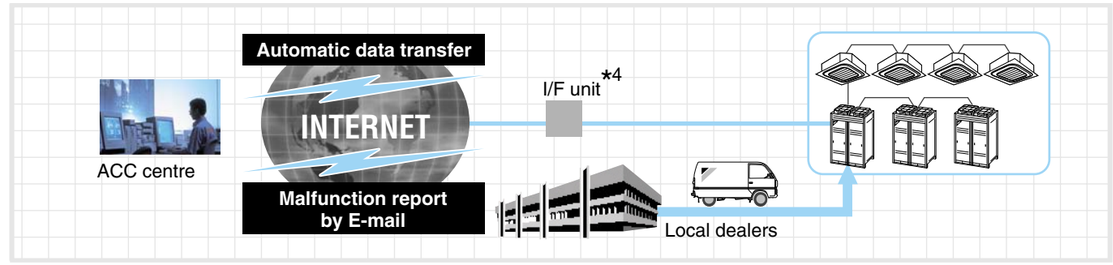
- BTL Certification
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Conformance class 3 (ASHRAE 135–1995)
- Standard BACnet® Device B-ASC (ASHRAE 135–2001)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway (Optional adaptor)

DMS504B51 Interface for use in LONWORKS®

- XIF file for confirming of specifications of the units.
- Connectable up to 10 outdoor units and 64 indoor unit groups.

Air Conditioning Network Service System

Maintenance services that boost profits and customer satisfaction



- 24 hour on-line diagnostic system
- Energy saving and extension of aircon operating life
- Maintenance management via A/C network service system reports
- Reliable service at short lead time

*1. Model name varies upon the system size.
*2. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*3. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.
*4. For an I/F unit, one of the following can be selected: ***Local Controller***, intelligent Touch Controller, or intelligent Touch Manager.
*5. Refer to the Options page for the name of each model.

Integrated Building Monitoring System

The high speed transmission of DIII-NET enables more advanced control of the VRV system, providing you with enhanced comfort.

DIII-NET Line
BACnet®/Ethernet or LONWORKS® Network Communication Line
Contact Signal Line

The DIII-NET system provides for:
- Close control and monitoring by integrating a wide variety of air-conditioners in the entire building.
- Saving the in-building cabling using non-polar, two-wire cables. Easier wiring work with tremendously fewer wiring errors.
- Additional setups readily up and running. An extendable cabling up to 2 km in total.
- Different control equipment flexibly joined in the system for hierarchical risk diversification.
- Daikin's total heat exchangers and other devices under integral control.

Building Control System

New intelligent Touch Manager

intelligent Touch Manager (DCM601A51)

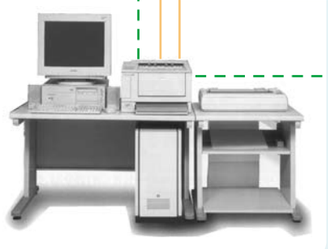
Via internet

ACC Centre

Air Conditioning Network Service System
(There are restrictions in applicable areas and release times, therefore please consult us separately for details.)
(Optional Maintenance Service)

BMS

(Obtain locally)



Controllers for Centralised Control

intelligent Touch Controller (DCS601C51)

Central Remote Controller (DCS302CA61)

Unified ON/OFF Controller (DCS301BA61)

Schedule Timer (DST301BA61)

Control /Connection Interface

Unification adaptor for computerised control (DCS302A52)

Interface for use in BACnet® (DMS502B51)

Interface for use in LONWORKS® (DMS504B51)

Wiring adaptor for electrical appendices (KRP2A61/62/53)

DIII-NET (High Speed Multiple Transmission)

DIII-NET, Daikin's unique high speed multiple transmission system, links air conditioners and various other building equipment—in accordance with applications, scale and conditions—and transmits vast amounts of information between them.

VRV

VRV

Heat Reclaim Ventilator

Interface Adaptor for SkyAir Series (DTA102A52)

SkyAir

* No adaptor is required for the FHYCP-DVE and FAY(P)71L.

Central Control Adaptor Kit (DTA107A55)

Packaged Air-conditioner

Interface Adaptor for DIII-NET use (KRP928BB2S)

Residential Air-conditioner

Di unit (DEC101A51)
Dio unit (DEC102A51)

Building services equipment
- Electrical equipment
- Supply water and drainage equipment
- Automatic fire alarm
- Parking equipment
- Lift
- Ventilation equipment
- Lighting
- Crime and fire prevention equipment

Caution:
Limitation may apply to some models and functions. Please contact your local sales office for details. Consultation is necessary before employing this control system. Please contact your local sales office before making a purchase.

Note: BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). LONWORKS® is a trademark of Echelon Corporation registered in the United States and other countries.

Control Systems—Option List

Operation Control System Optional Accessories

No.	Item	Type		FXFQ-P	FXZQ-M	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXUQ-MA
1	Remote controller	Wireless	C/O	BRC7F635F	BRC7E531W	BRC7C67	BRC4C63	BRC4C66	BRC4C66	BRC4C64	BRC7EA66	BRC7EA619	BRC4C64	BRC7CA529W
			H/P	BRC7F634F	BRC7E530W	BRC7C62	BRC4C61	BRC4C65	BRC4C65	BRC4C62	BRC7EA63W	BRC7EA618	BRC4C62	BRC7CA528W
		Wired		BRC1C62										
2	Navigation remote controller (Wired remote controller)			BRC1E61										
3	Wired remote controller with weekly schedule timer			BRC1D61										
4	Simplified remote controller (Exposed type)			—				BRC2C51		—		BRC2C51	—	
5	Remote controller for hotel use (Concealed type)			—				BRC3A61		—		BRC3A61	—	
6	Adaptor for wiring			★KRP1C63	★KRP1BA57	★KRP1B61	KRP1B61	★KRP1B56	★KRP1C64	KRP1B61	KRP1BA54	—	KRP1B61	—
7-1	Wiring adaptor for electrical appendices (1)			★KRP2A62	★KRP2A62	★KRP2A61	KRP2A61	★KRP2A53	★KRP2A61	KRP2A61	★KRP2A62	★ KRP2A61	KRP2A61	—
7-2	Wiring adaptor for electrical appendices (2)			★KRP4AA53	★KRP4AA53	★KRP4AA51	KRP4AA51	★KRP4A54	★KRP4AA51	KRP4AA51	★KRP4AA52	★KRP4AA51	KRP4AA51	★KRP4AA53
8	Remote sensor (for indoor temperature)			KRCS01-4B	KRCS01-1B				KRCS01-4B	KRCS01-1B				
9	Installation box for adaptor PCB ☆			Notes 2, 3 KRP1H98	Notes 4, 6 KRP1BA101	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 2, 3 KRP4A96	—	Note 3 KRP1CA93	Notes 2, 3 KRP4AA93	—	KRP1BA97
10	External control adaptor for outdoor unit			★DTA104A62	★DTA104A62	★DTA104A61	DTA104A61	★DTA104A53	★DTA104A61	DTA104A61	★DTA104A62	★DTA104A61	DTA104A61	—
11	Adaptor for multi tenant			★ DTA114A61	—				★DTA114A61	—		★ DTA114A61	—	

Notes: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box ☆ is necessary for second adaptor.
6. Installation box ☆ is necessary for each adaptor.

System Configuration

No.	Item		Model No.	Function
1	Residential central remote controller		Note 3 DCS303A51	•Up to 16 groups of indoor units (128 units) can be easily controlled using the large LCD panel. ON/OFF, temperature settings and scheduling can be controlled individually for indoor units.
2	Central remote controller		Note 2 DCS302CA61	•Up to 64 groups of indoor units(128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.
2-1	Electrical box with earth terminal (3 blocks)		KJB311AA	
3	Unified ON/OFF controller		Note 2 DCS301BA61	•Up to 16 groups of indoor units(128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3-1	Electrical box with earth terminal (2 blocks)		KJB212AA	
3-2	Noise filter (for electromagnetic interface use only)		KEK26-1A	
4	Schedule timer		Note 2 DST301BA61	•Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
5	Interface adaptor for SkyAir-series	For SkyAir, FD(Y)M-FA, FDY-KA FDYB-KA, FVY(P)J-A, FXUQ-MA	★ DTA102A52	•Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System. * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
6	Central control adaptor kit	For UAT(Y)-K(A),FD-K	★ DTA107A55	
7	Wiring adaptor for other air-conditioner		★ DTA103A51	
8	DIII-NET Expander Adaptor		DTA109A51	•Up to 1024 units can be centrally controlled in 64 different groups. •Wiring restrictions (max. length: 1,000 m, total wiring length: 2,000 m, max. number of branches: 16) apply to each adaptor.
8-1	Mounting plate		KRP4A92	•Fixing plate for DTA109A51

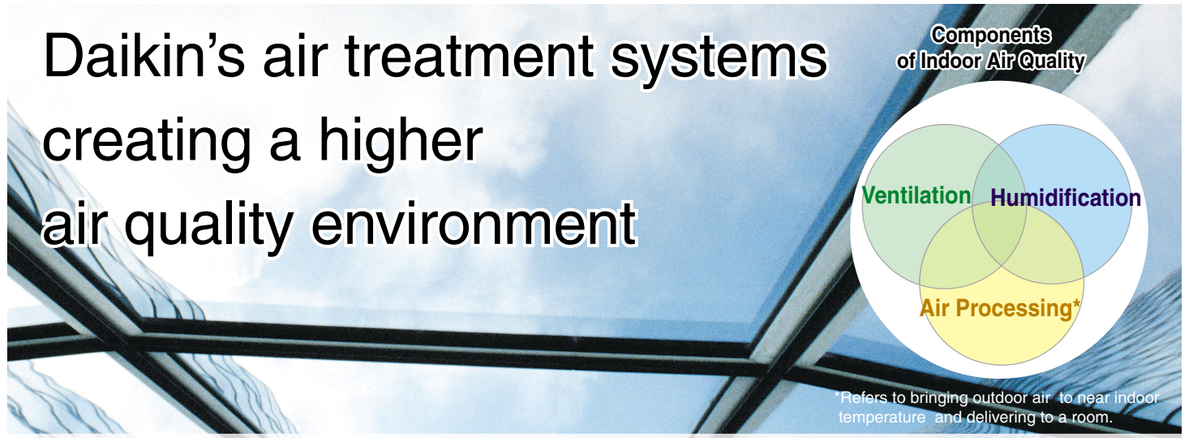
Notes: 1. Installation box for ★adaptor must be obtained locally.
2. For FXUQ-MAV1, an interface adaptor (DTA102A52) for the SkyAir series is necessary.
3. For residential use only. Cannot be used with other centralised control equipment.

Building Management System

No.	Item				Model No.	Function
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller	DCS601C51	•Air-Conditioning management system that can be controlled by a compact all-in-one unit.
1-1		Option	Hardware	DIII-NET plus adaptor	DCS601A52	•Additional 64 groups (10 outdoor units) is possible.
1-2	Electrical box with earth terminal (4 blocks)				KJB411A	•Wall embedded switch box.
2	intelligent Touch Manager	Basic	Hardware	intelligent Touch Manager	DCM601A51	•Air-conditioning management system that can be controlled by touch screen.
2-1		Option	Hardware	iTM plus adaptor	DCM601A52	•Additional 64 groups (10 outdoor units) is possible. Max. 7 iTM plus adaptors can be connected to intelligent Touch Manager.
2-2				iTM integrator	DCM601A53	•Max. 5 intelligent Touch Managers can be integrated.
2-3			Software	iTM power proportional distribution	DCM002A51	•Power consumption of indoor units are calculated based on operation status of the indoor unit and outdoor unit power consumption measured by kWh metre.
2-4				iTM energy navigator	DCM008A51	•Building energy consumption is visualised. Wasted air-conditioning energy can be found out.
2-5	Di unit				DEC101A51	•8 pairs based on a pair of On/Off input and abnormality input.
2-6	Dio unit				DEC102A51	•4 pairs based on a pair of On/Off input and abnormality input.
3	Communication line	*1 Interface for use in BACnet®			DMS502B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication.
3-1		Optional DIII board			DAM411B51	•Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-2		Optional Di board			DAM412B51	•Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
4		*2 Interface for use in LONWORKS®			DMS504B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LONWORKS® communication.
5	Contact/analogue signal	Unification adaptor for computerised control			★DCS302A52	•Interface between the central monitoring board and central control units.

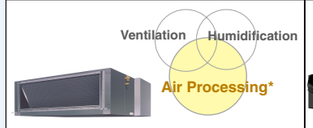
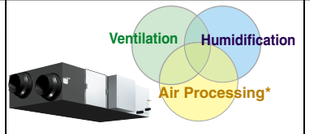
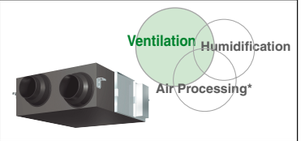
Notes: *1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*2. LonWorks® is a trademark of Echelon Corporation registered in the United States and other countries.
*3. Installation box for ★adaptor must be obtained locally.

Air Treatment Equipment Lineup


Daikin's air treatment systems creating a higher air quality environment
Components of Indoor Air Quality
Ventilation
Humidification
Air Processing*
*Refers to bringing outdoor air to near indoor temperature and delivering to a room.

A recent trend rapidly gaining popularity is for air treatment to be required as well as air conditioning. Daikin's Outdoor-Air Processing Unit can combine fresh air treatment and air conditioning, supplied from a single system. It adjusts the temperature of air from outdoors using a fixed discharge temperature control. Along with Outdoor-Air Processing Units, we also offer Heat Reclaim Ventilator systems. The Heat Reclaim Ventilator VAM-GJ series units in particular have been praised for their compactness, energy conservation and extensive operation range of outdoor temperatures. This series provides higher enthalpy efficiency★1, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure★2 offers more flexibility for installation. The Heat Reclaim Ventilator VKM-GAM series units, equipped with a DX-coil and a humidifier, provide further advanced features, such as temperature adjustment to suit conditions indoors and to prevent cold air from blowing on people directly during heating operation. The series also realises significant energy savings by exercising heat recovery.

★1 For models: VAM150/250/350/650/800/1000/2000GJVE
★2 For models: VAM150/350/500GJVE

		Outdoor-Air Processing Unit	Heat Reclaim Ventilator		
			VKM-GAM Type	VKM-GA Type	VAM-GJ Type
					
Connections with VRVIII	Refrigerant Piping	Connectable	Connectable		Not connectable
	Wiring	Connectable	Connectable		Connectable
	After-cool & After-heat Control	Available	Available		Not available
Heat Exchange Element		—	Energy savings obtained		Energy savings obtained
Humidifier		—	Fitted	—	—
High Efficiency Filter		Option	Option		Option
Ventilation System		Air supply only	Air supply & air exhaust		Air supply & air exhaust
Power Supply		220-240 V, 50 Hz	220-240 V, 50 Hz		220-240 V/220 V, 50 Hz/60 Hz
Airflow Rate		1080 m^3/h 1680 m^3/h 2100 m^3/h	500 m^3/h 800 m^3/h 1000 m^3/h		150 m^3/h 250 m^3/h 350 m^3/h 500 m^3/h 650 m^3/h 800 m^3/h 1000 m^3/h 1500 m^3/h 2000 m^3/h

*Refers to bringing outdoor air to near indoor temperature and delivering to a room.

Outdoor-Air Processing Unit

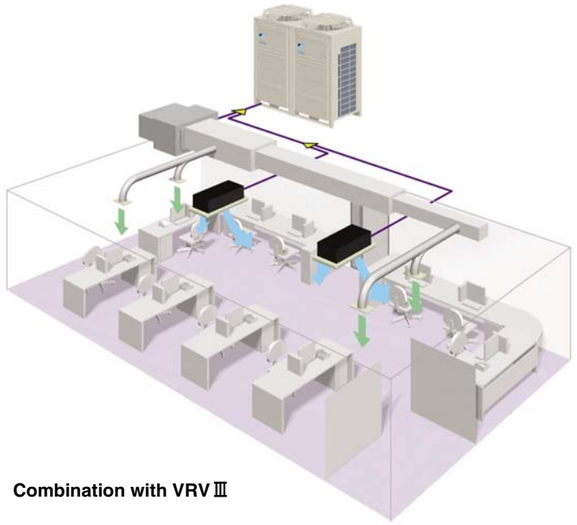
50 Hz only
For outdoor units of 8 HP and above

Combine fresh air treatment and air conditioning, supplied from a single system.

Fresh air treatment and air conditioning can be achieved with a single system by using heat pump technology—without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line. The results are enhanced design flexibility and a significant reduction in total system costs.

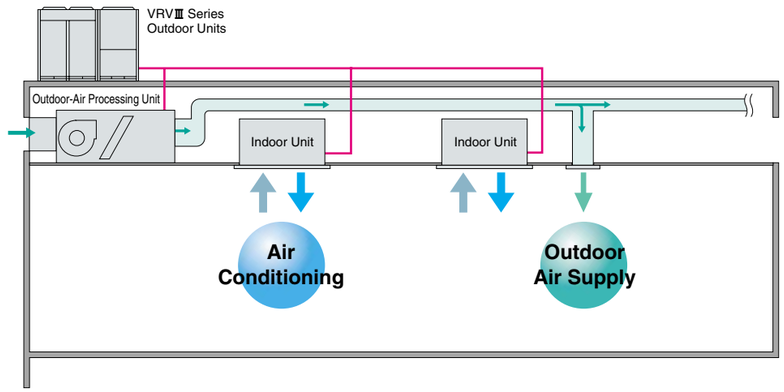
Line up

Model Name	FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Capacity Index	125	200	250



Combination with VRV Ⅲ

Air conditioning and outdoor air processing can be accomplished using a single system.



Connection Conditions

The following restrictions must be observed in order to maintain the indoor units connected to the same system.

- When outdoor-air processing units are connected, the total connection capacity index must be 50% to 100% of the capacity index of the outdoor units.
- When outdoor-air processing units and standard indoor units are connected, the total connection capacity index of the outdoor-air processing units must not exceed 30% of the capacity index of the outdoor units.
- Outdoor-air processing units can be used without indoor units.
- Connectable outdoor units: VRV Ⅱ and Ⅲ systems.

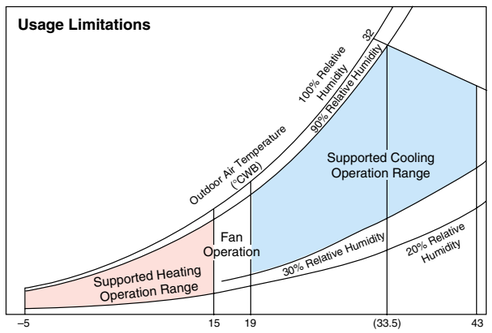
- The unit introduces outdoor air and adjusts the outdoor air temperature via fixed discharge temperature control, thereby reducing the air conditioning load.
  * The system can operate with outdoor-air temperatures ranging from -5 to 43°C. Heating performance is somewhat adversely affected when the outdoor-air temperature is 0°C or below.
  * When shipped from the factory, the thermostat is set at 18°C for cooling and 25°C for heating. The set temperature can be varied within the range of 13–25°C during cooling operation, and 18–30°C during heating operation, in the local setting mode using the wired remote controller. The temperature, however, is not displayed on the remote controller.
  * While in machine protection mode and depending on outdoor air conditions, discharge air temperature may not be at the set temperature.
  * The fan stops when operating in defrosting, oil returning and hot start operations. The fan also may stop due to mechanical protection control.
- Ceiling mounted duct units with three differing capacities are available. These can be connected to VRV series outdoor units to meet a variety of different requirements.

Airflow rate

FXMQ125MFV1	1,080 m³/h
FXMQ200MFV1	1,680 m³/h
FXMQ250MFV1	2,100 m³/h

- Optional equipment includes long-life filters.
- Compatible with outdoor temperatures from -5°C to 43°C.

Usage Limitations



Notes:
1. The data shown in the graph illustrates the supported operation ranges under the following conditions.
   Indoor and Outdoor Unit
   Effective piping length: 7.5 m
   Height differential: 0 m
2. The discharge temperature can be set using the remote controller. However, the actual temperature may not match the temperature setting under some circumstances due to the outdoor-air processing load or mechanical protection controls.
3. The system will not operate in fan mode when the outdoor air temperature is 5°C or below.

- High-performance filters with dust collection efficiencies (JIS calorimetry) of 90% and 65% are also available as options.
- As with the VRV Ⅲ system, a variety of control systems can be deployed, including remote control from distances of up to 500 m.
  * Group control is not possible between this unit and standard type indoor units. Connect remote controllers to each unit.

BRC1E61
Navigation remote controller
(Wired remote controller)
(option)

- The "self-diagnosis function" indicates the occurrence and nature of abnormalities in the system by displaying codes on the remote controller.
- A central control system compatible with the VRV Ⅲ system can be installed.
  * It is not possible to change the discharge air temperature settings from the central control system.
  * Do not associate this equipment into zones with standard indoor units, as central control will not be possible.

DCS302CA61
Central remote controller
(option)

- As with the VRV Ⅲ system, the equipment employs the "super wiring system" so that the wiring linking indoor and outdoor units can also be utilised for central control.

Notes:
* Linked control of the product and the Heat Reclaim Ventilator is not supported.
* This equipment is intended for the treatment of outdoor air only. It is not to be used for maintaining indoor air temperature. Install and use with standard indoor units. Be sure to position the air discharge openings of the product in positions where the airflow will not blow on people directly. When outdoor-air processing is in excess, the unit switches to thermo-off mode, and outdoor air flows into the room directly.
* For outdoor ducts, be sure to provide heat insulation to prevent condensation.
* Group control of the product and the standard indoor units is not supported. A separate remote controller should be connected to each individual unit.
* The system will not operate in fan mode when the outdoor air temperature is 5°C or below.
* If the product is allowed to operate 24 hours a day, maintenance (part replacement, etc.) must be performed periodically.
* Temperature setting and Power Proportional Distribution (PPD) are not possible even if the intelligent Touch Controller or the intelligent Touch Manager is installed.
* The remote controller wired to the outdoor-air processing unit must not be set as the master remote controller. Otherwise, when set to “Auto,” the operation mode will switch according to the outdoor air conditions, regardless of the indoor temperature.

STANDARD SPECIFICATIONS

Indoor unit

Type			Ceiling Mounted Duct Type		
Model			FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply			1-phase 220-240 V (also required for indoor units), 50 Hz		
Cooling capacity *1		kcal/h	12,000	19,300	24,100
		Btu/h	47,800	76,400	95,500
		kW	14.0	22.4	28.0
Heating capacity *1		kcal/h	7,700	12,000	15,000
		Btu/h	30,400	47,400	59,400
		kW	8.9	13.9	17.4
Power consumption		kW	0.359	0.548	0.638
Casing			Galvanised steel plate		
Dimensions (H×W×D)		mm	470×744×1,100	470×1,380×1,100	
Fan	Motor output	kW	0.380		
	Airflow rate	m^3/min	18	28	35
		cfm	635	988	1,236
	External static pressure 220 V/240 V	Pa	185/225	225/275	205/255
Air filter			*2		
Refrigerant piping	Liquid	mm	ϕ9.5 (flare)		
	Gas	mm	ϕ15.9 (flare)	ϕ19.1 (brazing)	ϕ22.2 (brazing)
	Drain	mm	PS1B female thread		
Machine weight		kg	86	123	
Sound level *3 220 V/240 V		dB(A)	42/43	47/48	
Connectable outdoor units *5 *6			RX(Y)Q8–54PAY1, RX(Y)Q16–50PAHY1		RX(Y)Q10–54PAY1, RX(Y)Q16–50PAHY1
Operation range (Fan mode operation between 15 and 19°C)		Cooling	19 to 43°C		
		Heating	-5 to 15°C		
Range of the discharge temperature *7		Cooling	13 to 25°C		
		Heating	18 to 30°C		

Notes: *1. Specifications are based on the following conditions;
- Cooling: Outdoor temp. of 33°CDB, 28°CWB (68% RH), and discharge temp. of 18°CDB. • Heating: Outdoor temp. of 0°CDB, -2.9°CWB (50% RH), and discharge temp. of 25°CDB.
- Equivalent reference piping length: 7.5 m (0 m horizontal)

*2. An intake filter is not supplied, so be sure to install the optional long-life filter or high-efficiency filter.
Please mount it in the duct system of the suction side. Select a dust collection efficiency (gravity method) of 50% or more.
*3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
These values are normally somewhat higher during actual operation as a result of ambient conditions.
*4. It is possible to connect to the outdoor unit if the total capacity of the indoor units is 50% to 100% of the capacity index of the outdoor units.
*5. It is not possible to connect to the 5 HP outdoor unit.
*6. Local setting mode. Not displayed on the remote controller.
• This equipment cannot be incorporated into the remote group control of the VRVⅢ system.

OPTIONS

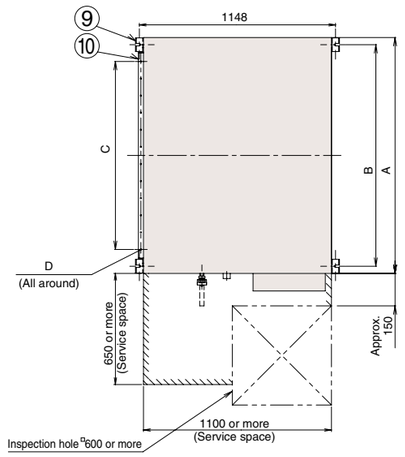
Indoor unit

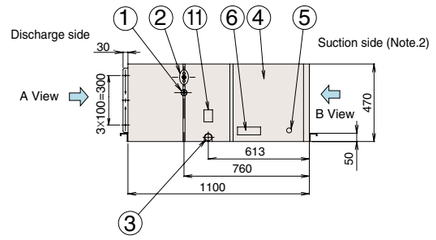
Model			FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Operation/control	Operation remote controller		BRC1E61/BRC1C62/BRC1D61		
	Central remote controller		DCS302CA61		
	Unified ON/OFF controller		DCS301BA61		
	Schedule timer		DST301BA61		
	Wiring adaptor for electrical appendices (1)		KRP2A61		
	Wiring adaptor for electrical appendices (2)		KRP4AA51		
Filters	Long-life replacement filter		KAFJ371L140	KAFJ371L280	
	High-efficiency filter	Colourimetric method 65%	KAFJ372L140	KAFJ372L280	
		Colourimetric method 90%	KAFJ373L140	KAFJ373L280	
	Filter chamber *1		KDJ3705L140	KDJ3705L280	
Drain pump kit			KDU30L250VE		
Adaptor for wiring			KRP1B61		

Notes: *1. Filter chamber has a suction-type flange. (Main unit does not.)
- Dimensions and weight of the equipment may vary depending on the options used.
- Some options may not be usable due to the equipment installation conditions, so please confirm prior to ordering.
- Some options may not be used in combination.
- Operating sound may increase somewhat depending on the options used.

DIMENSIONS

■ FXMQ125/200/250MFV1





*These diagrams are based on FXMQ200 and FXMQ250MFV1.

Local connection piping size

Model	Gas piping diameter	Liquid piping diameter
FXMQ125MFV1	ϕ15.9	ϕ 9.5
FXMQ200MFV1	ϕ19.1 attached piping	ϕ 9.5
FXMQ250MFV1	ϕ22.2 attached piping	ϕ 9.5

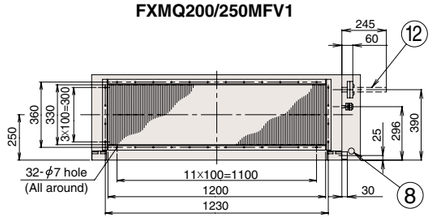
Table of dimensions

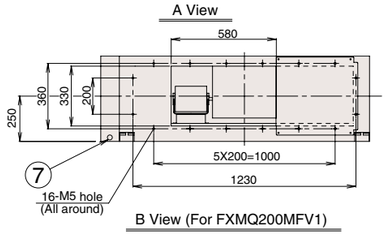
Model	A	B	C	D
FXMQ125MFV1	744	685	5X100=500	20-ϕ4.7 hole
FXMQ200MFV1	1380	1296	11X100=1100	32-ϕ4.7 hole
FXMQ250MFV1	1380	1296	11X100=1100	32-ϕ4.7 hole

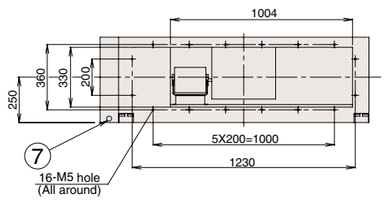
Notes:
1. The attached piping in the diagram is for FXMQ200MFV1 and FXMQ250MFV1 only. The gas piping connection port (② in the diagram) has a different bore form with FXMQ125MFV1.
2. An air filter is not supplied with this unit. Be sure to mount an air filter in the suction side.[Use a filter with dust collection efficiency of at least 50% (gravimetric method). This is available as an option.]
3. For outdoor ducts, be sure to provide heat insulation to prevent condensation.

① Liquid pipe connection
② Gas pipe connection
③ Drain piping connection
④ Electric parts box
⑤ Ground terminal
⑥ Name plate
⑦ Power supply wiring connection
⑧ Transmission wiring connection
⑨ Hanger bracket
⑩ Discharge companion flange
⑪ Water supply port
⑫ Attached piping (Note. 1)

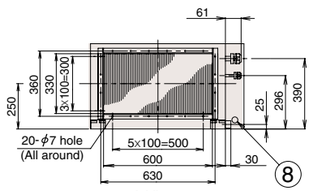
FXMQ200/250MFV1

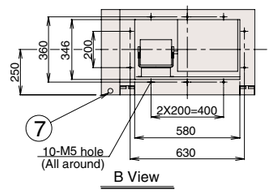






FXMQ125MFV1

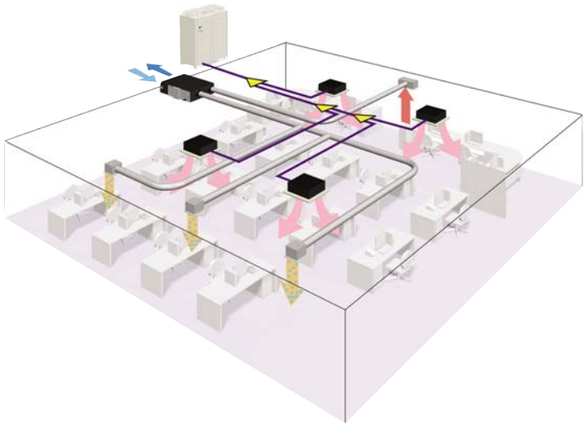




Heat Reclaim Ventilator with DX-Coil and Humidifier — VKM series

50 Hz only

The Heat Reclaim Ventilator lineup features the DX-coil in response to recently diversifying outdoor air introduction requirements.



Efficient outdoor air introduction is possible

The Heat Reclaim Ventilator (VKM series) series introduces fresh outdoor air with minimum heat losses, while a wide variety of features respond to customer requirements.

Line up

With DX Coil & Humidifier Type			
Model Name	VKM50GAMV1	VKM80GAMV1	VKM100GAMV1
Capacity Index	31.25	50	62.5

With DX Coil Type			
Model Name	VKM50GAV1	VKM80GAV1	VKM100GAV1
Capacity Index	31.25	50	62.5

Humidifier

The lineup includes models with a humidifier, in response to diversifying customer requirements. (VKM50/80/100GAMV1 only)

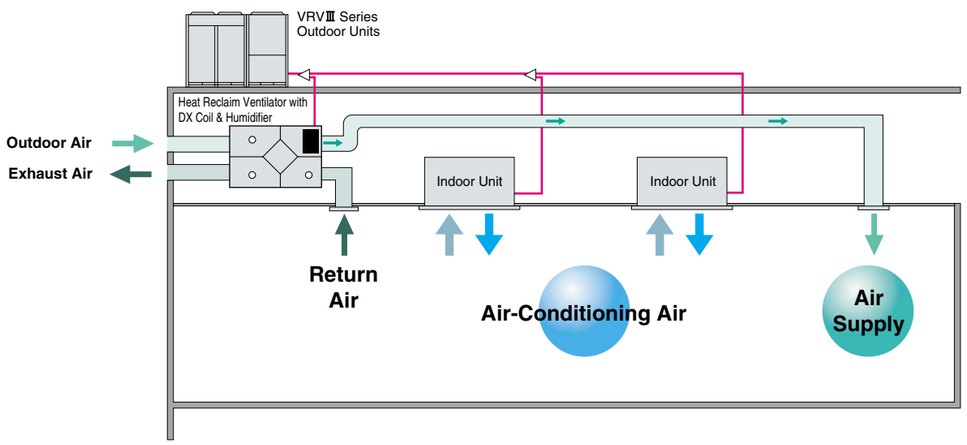
DX-coil

The Heat Reclaim Ventilator features DX-coil that contributes to the prevention of cold airflow hitting people directly during heating operation, due to the after-cool, after-heat operations done beforehand.

High static pressure

High external static pressure means enhanced design flexibility.

Air conditioning and outdoor air processing can be accomplished using a single system.



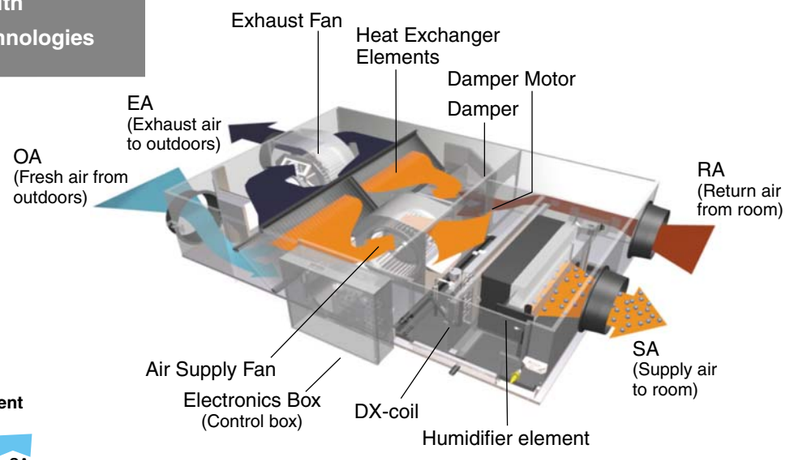
Connection Conditions

The following restrictions must be observed in order to maintain the indoor units connected to the same system.

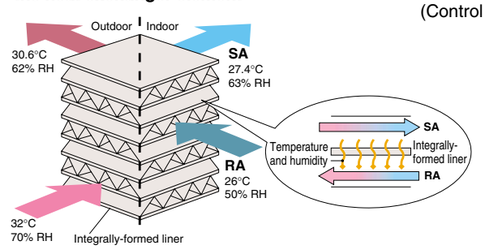
- When the Heat Reclaim Ventilator VKM series units are connected, the total connection capacity index must be 50% to 130% of the capacity index of the outdoor units.

A compact unit packed with Daikin's cutting-edge technologies

HEP Element
(Anti-mould)



Operation of the heat exchanger element

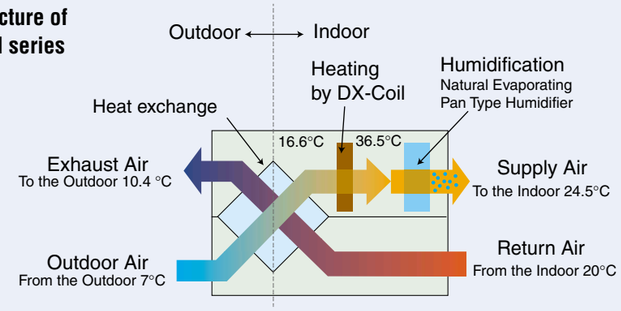


DX-coil
(Direct expansion coil)

Humidifier element

Heating and humidification process

Structure of VKM series



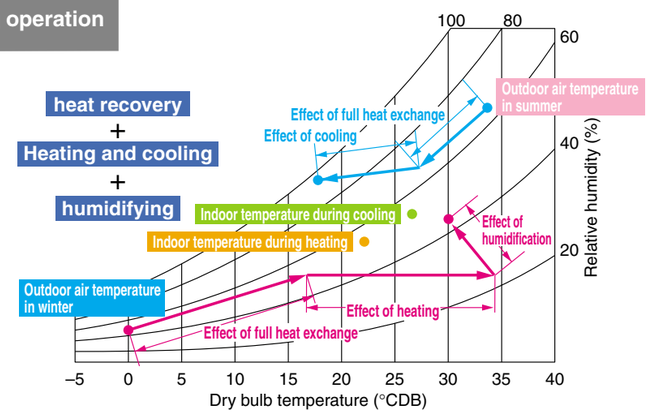
Humidification:5.4kg/h
(VKM100GAMV1)

The Outdoor air is heated from 16.6 °C to 36.5 °C with DX-coil, Natural Evaporating Pan Type Humidifier is passed and humidification capacity is improved.

DX-Coil: Heat Exchanger which heating or cooling the air by VRV outdoor unit's refrigerant.

Efficient outdoor air introduction with heat exchanger and cooling/heating operation

Indoor unit with outdoor air treatment
Using outdoor air, the temperature can be brought near room temperature with minimal cooling capacity through the use of outdoor air.



Other features

- **Integrated system includes ventilation and humidifying operations.**
- **Ventilation, cooling/heating and humidifying are possible with one remote controller.**

SPECIFICATIONS

MODEL				VKM50GAMV1*	VKM80GAMV1*	VKM100GAMV1*	VKM50GAV1	VKM80GAV1	VKM100GAV1
Refrigerant				R-410A					
Power Supply				1-phase, 220–240 V, 50 Hz					
Airflow Rate & Static Pressure (Note 7)	Ultra-high	Airflow rate	m^3/h	500	750	950	500	750	950
		Static pressure	Pa	160	140	110	180	170	150
	High	Airflow rate	m^3/h	500	750	950	500	750	950
		Static pressure	Pa	120	90	70	150	120	100
	Low	Airflow rate	m^3/h	440	640	820	440	640	820
		Static pressure	Pa	100	70	60	110	80	70
Power Consumption	Heat exchange mode	Ultra-high	W	560	620	670	560	620	670
		High		490	560	570	490	560	570
		Low		420	470	480	420	470	480
	Bypass mode	Ultra-high	W	560	620	670	560	620	670
		High		490	560	570	490	560	570
		Low		420	470	480	420	470	480
Fan Type				Sirocco Fan					
Motor Output			kW	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2	0.280 x 2
Sound Level (Note 5) (220/230/240 V)	Heat exchange mode	Ultra-high	dB(A)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High		35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low		32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
	Bypass mode	Ultra-high	dB(A)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High		35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low		32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
Humidification Capacity (Note 4)			kg/h	2.7	4.0	5.4	—	—	—
Temp. Exchange Efficiency	Ultra-high		%	76	78	74	76	78	74
	High			76	78	74	76	78	74
	Low			77.5	79	76.5	77.5	79	76.5
Enthalpy Exchange Efficiency (Cooling)	Ultra-high		%	64	66	62	64	66	62
	High			64	66	62	64	66	62
	Low			67	68	66	67	68	66
Enthalpy Exchange Efficiency (Heating)	Ultra-high		%	67	71	65	67	71	65
	High			67	71	65	67	71	65
	Low			69	73	69	69	73	69
Casing				Galvanised Steel Plate					
Insulating Material				Self-Extinguishable Urethane Foam					
Heat Exchanging System				Air to Air Cross Flow Tot al Heat (Sensible + Latent Heat) Exchange					
Heat Exchanger Element				Specially Processed Nonflammable Paper					
Air Filter				Multidirectional Fibrous Fleeces					
DX-coil Capacity	Cooling (Note 2)		kW	2.8	4.5	5.6	2.8	4.5	5.6
	Heating (Note 3)			3.2	5.0	6.4	3.2	5.0	6.4
Dimensions	Height		mm	387	387	387	387	387	387
	Width			1,764	1,764	1,764	1,764	1,764	1,764
	Depth			832	1,214	1,214	832	1,214	1,214
Connection Duct Diameter			mm	ø200	ø250		ø200	ø250	
Machine Weight		Net	kg	102	120	125	96	109	114
		Gross (Note 8)		107	129	134	—		
Unit Ambient Condition		Around Unit		0°C–40°C DB, 80%RH or less					
		OA (Note 9)		-15°C–40°C DB, 80%RH or less					
		RA (Note 9)		0°C–40°C DB, 80%RH or less					
Connectable outdoor units				RX(Y)Q5–54PAY1, RX(Y)Q16–50PAHY1					

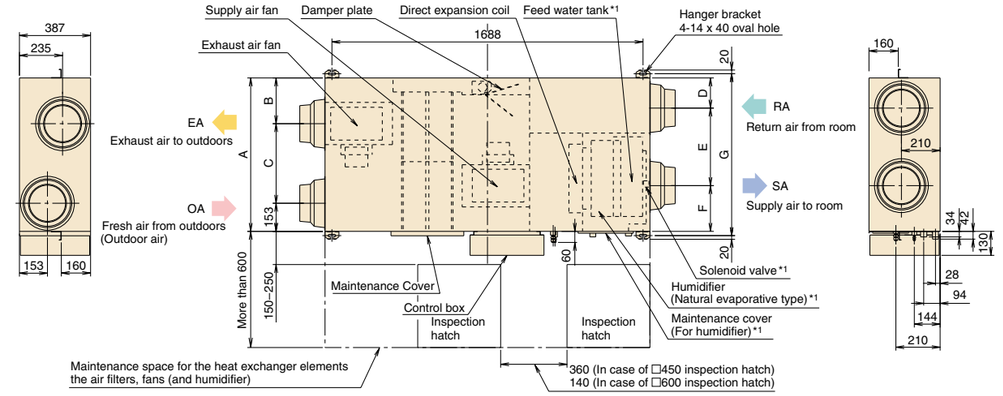
Notes:
1. Cooling and heating capacities are based on the following conditions. Fan is based on High and Ultra-high. When calculating the capacity as indoor units, use the following figures: VKM50GAMV1/GV1: 3.5 kW, VKM80GAMV1/GV1: 5.6 kW, VKM100GAMV1/GV1: 7.0 kW
2. Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB
3. Indoor temperature: 20°C DB, Outdoor temperature: 7°C DB, 6°C WB
4. Humidifying capacity is based on the following conditions: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB
5. The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chambar built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value. For operation in a quiet room, it is required to take measures to lower the sound. For details, refer to the Engineering Data.
6. The noise level at the air discharge port is about 8–11 dB(A) or higher than the unit's operating sound. For operation in a quiet room, it is required to take measures to lower the sound.
7. Airflow rate can be changed over to Low mode or High mode.
8. In case of holding full water in humidifier.
9. OA: fresh air from outdoor. RA: return air from room.
10. Specifications, design and information here are subject to change without notice.
11. Power consumption and efficiency depend on the above value of airflow rate.
12. Temperature exchange efficiency is the mean value for Cooling and Heating. Efficiency is measured under the following condition: Ratio of rated external static pressure outdoor to indoor is kept constant at 7 to 1.
13. In heating operation, freezing of the outdoor unit's coil increases. Heating capability decreases and the system goes into defrost operation. During defrost operation, the fans of the unit continues driving (factory setting). The purpose of this is to maintain the amount of ventilation and humidifying.
14. When connecting with a VRV system heat recovery outdoor unit and bringing the RA (exhaust gas intake) of this unit directly in from the ceiling, connect to a BS unit identical to the VRV indoor unit (master unit), and use group-linked operation. (See the Engineering Data for details.)
15. When connecting the indoor unit directly to the duct, always use the same system on the indoor unit as with the outdoor unit, perform group-linked operation, and make the direct duct connection settings from the remote controller. (Mode No. "17 (27)" – First code No. "5" – Second code No. "6".) Also, do not connect to the outlet side of the indoor unit. Depending on the fan strength and static pressure, the unit might back up.

★ Feed clean water (city water, tap water or equivalent). Dirty water may clog the valve or cause dirt deposits in the water container, resulting in poor humidifier performance. (Never use any cooling tower water and heating-purpose water.) Also, if the supply water is hard water, use a water softener because of short life.

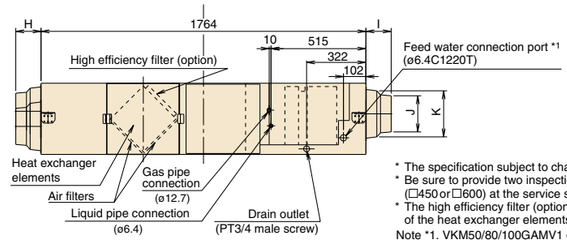
* Life of humidifying element is about 3 years (4,000 hours) under the supply water conditions of hardness: 150 mg/l. (Life of humidifying element is about 1 year (1,500 hours) under the supply water conditions of hardness: 400 mg/l.) Annual operating hours: 10 hours/day x 26 days/month x 5 months = 1,300 hours

DIMENSIONS

VKM50/80/100GA(M)V1



	VKM50GA(M)V1	VKM80/100GA(M)V1
A	832	1,214
B	248	439
C	431	622
D	164	183
E	420	592
F	248	439
G	878	1,262
H	137	89
I	137	89
J	ø196	ø246
K	ø250	ø263



* The specification subject to change without notice.
* Be sure to provide two inspection hatch. (□450 or □600) at the service side of filters and elements.
* The high efficiency filter (option) can be attached to the SA surface of the heat exchanger elements.
Note *1. VKM50/80/100GAMV1 only.

OPTIONS

Item \ Type			VKM50/80/100GA(M)V1										
Controlling device	Remote controller		BRC1E61/BRC1C62/BRC1D61 *1										
	Centralised controlling device	Residential central remote controller	DCS303A51 *2										
		Central remote controller	DCS302CA61										
		Unified ON/OFF controller	DCS301BA61										
		Schedule timer	DST301BA61										
	PC Board Adaptor	Wiring adaptor for electrical appendices	KRP2A61										
		For humidifier running ON signal output	KRP50-2										
		For heater control kit	BRP4A50										
		For wiring — Type (indoor unit of VRV)	FXFQ-P	FXZQ-M	FXCQ-M	FXKQ-MA	FXDQ-PB FXDQ-NB	FXMQ-P	FXMQ-MA	FXHQ-MA	FXAQ-P	FXLQ-MA FXNQ-MA	FXUQ-MA
			KRP1C63★	KRP1BA57★	KRP1B61★	KRP1B61	KRP1B56★	KRP1C64★	KRP1B61	KRP1BA54	—	KRP1B61	—
		Installation box for adaptor PCB☆	Notes 2, 3 KRP1H98	Note 4, 6 KRP1BA101	Notes 2, 3 KRP1B96	—	Notes 4, 6 KRP1BA101	Notes 2, 3 KRP4A96	—	Note 3 KRP1CA93	Notes 2, 3 KRP4AA93	—	KRP1BA97

Notes:
1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box☆ is necessary for second adaptor.
6. Installation box☆is necessary for each adaptor.
7. *1 Necessary when operating a Heat Reclaim Ventilator (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.
   *2 For residential use only. When connected with a Heat Reclaim Ventilator (VKM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item \ Type				VKM50GA(M)V1	VKM80GA(M)V1	VKM100GA(M)V1
Additional function	Silencer			—	KDDM24B100	
		Nominal pipe diameter	mm	—	ϕ250 mm	
	Air suction/ Discharge grille	White		K-DGL200B	K-DGL250B	
		Nominal pipe diameter	mm	ϕ200	ϕ250	
	High efficiency filter			KAF242H80M	KAF242H100M	
	Air filter for replacement			KAF241G80M	KAF241G100M	
Flexible duct (1 m)				K-FDS201D	K-FDS251D	
Flexible duct (2 m)				K-FDS202D	K-FDS252D	

Heat Reclaim Ventilator — VAM series

The Heat Reclaim Ventilator Creates a High-Quality Environment by Interlocking with the Air Conditioner

Improved Enthalpy Efficiency ★1
Higher External Static Pressure ★2
Enhanced Energy Saving Functions

Model Names

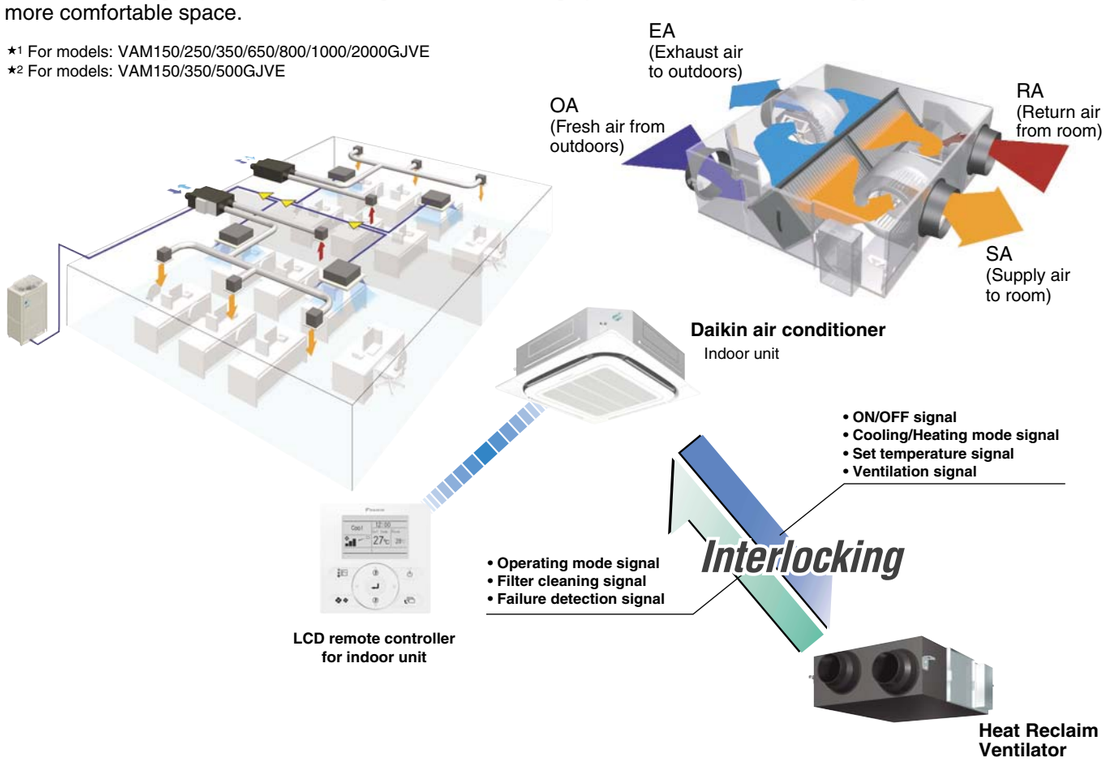
VAM150GJVE, VAM250GJVE, VAM350GJVE, VAM500GJVE, VAM650GJVE, VAM800GJVE, VAM1000GJVE, VAM1500GJVE, VAM2000GJVE

Heat Reclaim Ventilator remote controller*
BRC301B61 (Option)

* This remote controller is used in case of independent operation of Heat Reclaim Ventilator.

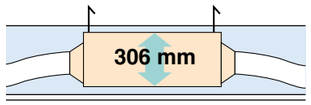
This VAM series provides higher enthalpy efficiency★1, due to the greatly enhanced performance of the thin film element. Furthermore, improved external static pressure★2 offers more flexibility for installation. Along with these three outstanding improvements, the nighttime free cooling operation contributes to energy conservation and more comfortable space.

★1 For models: VAM150/250/350/650/800/1000/2000GJVE
★2 For models: VAM150/350/500GJVE



Compact Equipment

With a height of just 306 mm, the unit easily fits in limited spaces, such as above ceilings.



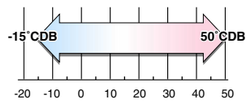
* For VAM500GJVE

Energy Conservation

Air conditioning load reduced by approximately 31%!

Cold Climate Compatible

Standard operation at temperatures down to -15°C.



Air conditioning load reduced by approximately 31%!

Total heat exchange ventilation — 23%

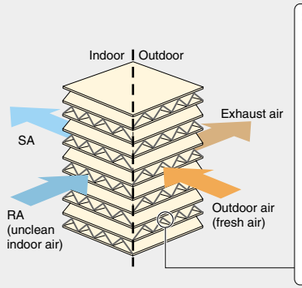
This unit recovers heat energy lost through ventilation and curbs room temperature changes caused by ventilation, thereby conserving energy and reducing the load on the air conditioning system.

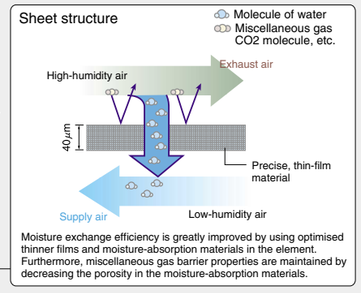
Enthalpy efficiency drastically improved by employing thin film element! (VAM-GJ model)

Due to the thinner film…
- Decreases the moisture resistance of the partition sheets drastically.
- Realises more space for extra layers in the element, resulting in increased effective area that supply and exhaust air can be exposed to.

Moisture absorption increased by approx. 10%!

Thickness of the partition sheet **40 μm**





Moisture exchange efficiency is greatly improved by using optimised thinner films and moisture-absorption materials in the element. Furthermore, miscellaneous gas barrier properties are maintained by decreasing the porosity in the moisture-absorption materials.

+

Auto-ventilation Mode Changeover Switching — 6%

Automatically switches the ventilation mode (Total Heat Exchange Mode/Bypass Mode) according to the operating status of the air conditioner.

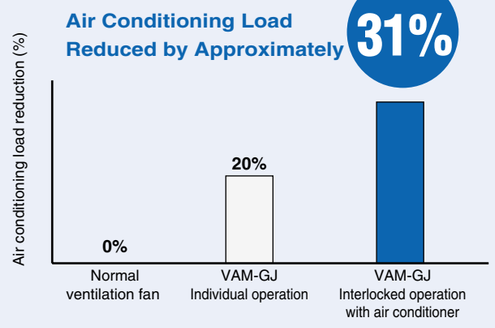
+

Pre-cool, Pre-heat Control — 2%

Reduces air conditioning load by not running the Heat Reclaim Ventilator while air is still clean soon after the air conditioner is turned ON.

=

- The air conditioning load reduction values may vary according to weather and other environmental conditions at the location of the machine's installation.
- The air conditioning load reduction values are based on the following conditions;
  Application: Tokyo office building
  Building form: 2 floors above ground, 6 floors underground, floor area 2,100 m²
  Personnel density: 0.25 person/m²
  Ventilation volume: 25 m³/h
  Indoor air conditioning level: summer 25°C 50% RH, intermediate seasons 24°C 50% RH, winter 22°C 40% RH
  Operating time: 2745 hours (9 hours per day, approx. 25 days per month)
  Calculation method: simulation based on "MICRO-HASP/1982" of the Japan Building Mechanical and Electrical Engineers Association.



Nighttime free cooling operation*1

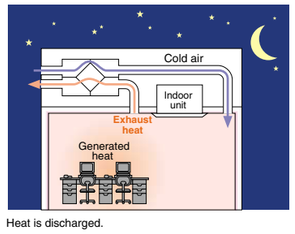
Air conditioning sensible heat load reduced by approx. 5%*2!

Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the morning. It also alleviates feelings of discomfort in the morning caused by heat accumulated during the night.

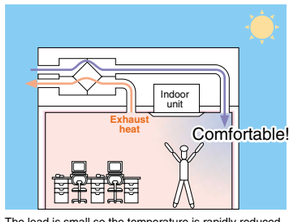
- Nighttime free cooling operation only works to cool and if connected to Building Multi or VRV systems.
- Nighttime free cooling operation is set to "off" in the factory settings, so if you wish to use it, request your dealer to turn it on.

*1 This function can be operated only when interlocked with air conditioners.
*2 Value is based on the following conditions:
- Cooling operation performed from April to October.
- Calculated for air conditioning sensible heat load only (latent heat load not included).

The indoor accumulated heat is discharged at night.
This reduces the air conditioning load the next day thereby increasing efficiency.



Heat is discharged.



The load is small so the temperature is rapidly reduced to a comfortable level.

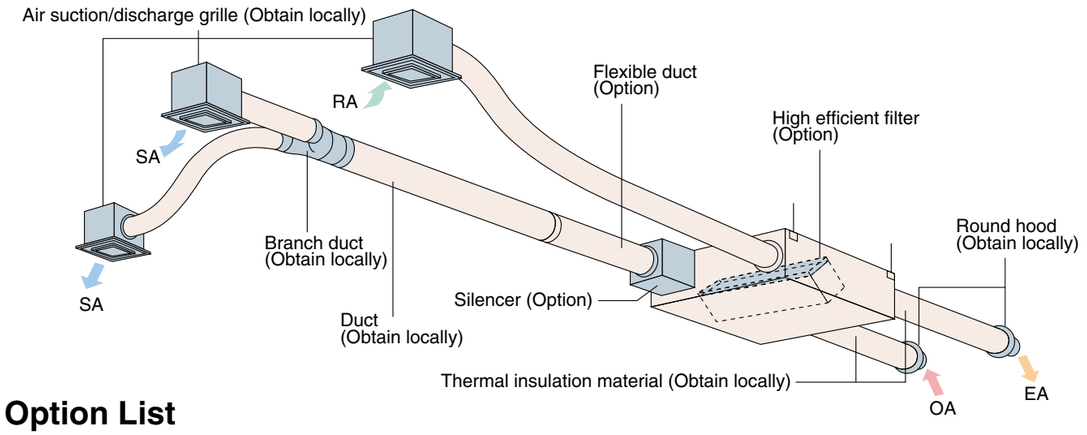
*Interlocked operation with an air conditioner

SPECIFICATIONS

MODEL				VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE
Power Supply				1-phase, 220-240 V/ 220 V, 50 Hz/ 60 Hz								
Temp. Exchange Efficiency (50 Hz/60 Hz)		Ultra-High	%	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77
		High	%	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77
		Low	%	84/85	79/79	82/82	80/80.5	77/77.5	74/74.5	80.5/81	75.5/76	79/81
Enthalpy Exchange Efficiency (50 Hz/60 Hz)	For Heating	Ultra-High	%	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		High	%	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		Low	%	76/76.5	74/74	77/77	74/74.5	71.5/72	67.5/68	72.5/73	67/67.5	75/76
	For Cooling	Ultra-High	%	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		High	%	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		Low	%	70/70.5	66/66	70/70	59/59.5	64/64.5	64/64.5	68.5/69	64/64.5	66/67
Power Consumption (50 Hz/60 Hz)	Heat Exchange Mode	Ultra-High	W	125/134	137/141	200/226	248/270	342/398	599/680	635/760	1,145/1,300	1,289/1,542
		High	W	111/117	120/125	182/211	225/217	300/332	517/597	567/648	991/1,144	1,151/1,315
		Low	W	57/58	60/59	122/120	128/136	196/207	435/483	476/512	835/927	966/1,039
	Bypass Mode	Ultra-High	W	125/134	137/141	200/226	248/270	342/398	599/680	635/760	1,145/1,300	1,289/1,542
		High	W	111/117	120/125	182/211	225/217	300/332	517/597	567/648	991/1,144	1,151/1,315
		Low	W	57/58	60/59	122/120	128/136	196/207	435/483	476/512	835/927	966/1,039
Sound Level (50 Hz/60 Hz)	Heat Exchange Mode	Ultra-High	dB(A)	27-28.5/28.5	27-29/29	31.5-33/33	33-35.5/34	34-36/36	39-40.5/39.5	39.5-41.5/39.5	39.5-41.5/41.5	41.5-43.5/42
		High	dB(A)	26-27.5/27.5	26-27.5/28	30-31.5/30	31.5-34/32	33-34.5/34	37-39.5/37.5	37.5-39.5/37.5	37.5-39.5/39.5	39-43/40
		Low	dB(A)	20.5-21.5/21	21-22/21	23-25/23	25-28.5/24	27.5-29.5/28	35-37.5/34	35-37.5/34.5	35-37.5/36	36-39/39
	Bypass Mode	Ultra-High	dB(A)	28.5-29.5/29.5	28.5-30.5/30.5	33-34.5/34.5	34.5-36/35.5	35-37.5/37.5	40.5-42/41	40.5-42.5/40.5	41-43/42.5	43-45.5/44
		High	dB(A)	27.5-28.5/28.5	27.5-29/29.5	31.5-33/31.5	33-34.5/33.5	33-35.5/35.5	38.5-40/39	38.5-40.5/38.5	39.5-41/41.5	40.5-45/42
		Low	dB(A)	22.5-23.5/22	22.5-23/22.5	24.5-26.5/24.5	25.5-28.5/25.5	27.5-30.5/29.5	36-38.5/35.5	36-38.5/35.5	36.5-38/37.5	37.5-39.5/41
Casing				Galvanised steel plate								
Insulation Material				Self-extinguishable polyurethane foam								
Dimensions (HXWXD)			mm	278×810×551		306×879×800		338×973×832	387×1,111×832	387×1,111×1,214	785×1,619×832	785×1,619×1,214
Machine Weigh			kg	24		32		45	55	67	129	157
Heat Exchange System				Air to air cross flow total heat (Sensible heat+latent heat) exchange								
Heat Exchange Element Material				Specially processed nonflammable paper								
Air Filter				Multidirectional fibrous fleeces								
Fan	Type			Sirocco fan								
	Airflow Rate (50 Hz/60 Hz)	Ultra-High	m^3/h	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High	m^3/h	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low	m^3/h	100/95	155/155	230/230	320/295	500/470	700/670	860/840	1,320/1,260	1,720/1,580
	External Static Pressure (50 Hz/60 Hz)	Ultra-High	Pa	120/154	70/96	169/222	105/150	85/125	133/170	168/192	112/150	116/140
		High	Pa	106/131	54/65	141/145	66/52	53/67	92/85	110/86	73/72	58/32
		Low	Pa	56/60	24/20	67/30	32/18	35/38	72/61	85/60	56/50	45/45
	Motor Output		kW	0.030×2		0.090×2		0.140×2	0.280×2		0.280×4	
Connection Duct Diameter			mm	ϕ100	ϕ150		ϕ200		ϕ250		ϕ350	
Unit ambient condition				-15°C–50°CDB, 80%RH or less								

Notes:
1. Sound level is measured at 1.5 m below the centre of the body.
2. Airflow rate can be changed over to Low mode or High mode.
3. Sound level is measured in an anechoic chamber.
   Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
4. The sound level at the air discharge port is about 8 dB(A) higher than the unit's sound level.
5. The specifications, designs and information given here are subject to change without notice.
6. Temperature Exchange Efficiency is the mean value between cooling and heating.
7. Efficiency is measured under the following conditions:
   Ratio of rated external static pressure has been maintained as follows; outdoor side to indoor side = 7 to 1.
8. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is actually installed.
9. Sound level from the discharge port causes the value to be approximately 8 dB(A) (models with the airflow rate of less than 150 to 500 m^3/h) to approximately 11 dB(A) (models with the airflow rate of 650 m^3/h or more) greater than the indicated value. Furthermore, fan rotation and noise from the discharge grille may increase depending on the on-site duct resistance conditions. Please consider noise countermeasures when installing the unit.
10. With large models in particular (1500 and 2000 m^3/h models), if the supply air (SA) grille is installed near the main unit, the noise of the main unit may be heard from the discharge grille via the duct, and this will result in a marked increase in noise. In such cases, if peripheral effects are included (such as reverberation of the floor and walls, combination with other equipment, and background noise), sound level may be as much as 15 dB(A) higher than the indicated value. When installing a large model, please provide as much separation as possible between the main unit and the discharge grille. If the equipment and discharge grille are near each other, please consider countermeasures such as the following:
    •Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
    •Decentralised installation of discharge grilles
11. When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit:
    •Use of ceiling materials with high sound insulating properties (high transmission loss)
    •Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
    Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

OPTIONS



Option List

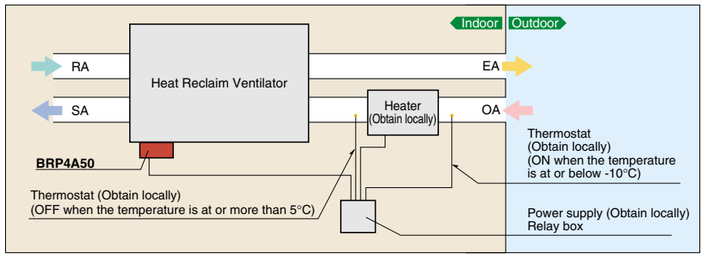
Item \ Type			VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000GJVE
Controlling device	Heat Reclaim Ventilator remote controller		BRC301B61
	Centralised controlling device	Residential central remote controller	DCS303A51 *1
		Central remote controller	DCS302CA61
		Unified ON/OFF controller	DCS301BA61
		Schedule timer	DST301BA61
	PC Board Adaptor: Wiring adaptor for electrical appendices		KRP2A61
	PC Board Adaptor: For humidifier		KRP50-2
	PC Board Adaptor: Installation box for adaptor PCB		KRP50-2A90 (Mounted electric component assy of Heat Reclaim Ventilator)
	PC Board Adaptor: For heater control kit		BRP4A50
	PC Board Adaptor: For wiring	Type (indoor unit of VRV)	FXFQ-P / FXZQ-M / FXCQ-M / FXKQ-MA / FXDQ-PB FXDQ-NB / FXMQ-P / FXMQ-MA / FXHQ-MA / FXAQ-P / FXLQ-MA FXNQ-MA / FXUQ-MA
			KRP1C63★ / KRP1BA57★ / KRP1B61★ / KRP1B61 / KRP1B56★ / KRP1C64★ / KRP1B61 / KRP1BA54 / — / KRP1B61 / —
	PC Board Adaptor: Installation box for adaptor PCB☆		Notes 2, 3 KRP1H98 / Note 4, 6 KRP1BA101 / Notes 2, 3 KRP1B96 / — / Notes 4, 6 KRP1BA101 / Notes 2, 3 KRP4A96 / — / Note 3 KRP1CA93 / Notes 2, 3 KRP4AA93 / — / KRP1BA97

Notes:
1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box ☆ is necessary for second adaptor.
6. Installation box ☆ is necessary for each adaptor.
7. *1 For residential use only. When connected with a Heat Reclaim Ventilator (VAM), you can only switch the power ON/OFF. Cannot be used with other centralised control equipment.

Item \ Type			VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE
Additional function	Silencer		—			KDDM24B50	KDDM24B100			KDDM24A100×2	
	Silencer: Nominal pipe diameter	mm	—			ϕ200		ϕ250			
	High efficiency filter		KAF242H25M		KAF242H50M		KAF242H65M	KAF242H80M	KAF242H100M	KAF242H80MX2	KAF242H100MX2
	Air filter for replacement		KAF241G25M		KAF241G50M		KAF241G65M	KAF241G80M	KAF241G100M	KAF241G80MX2	KAF241G100MX2
Flexible duct (1 m)			K-FDS101D	K-FDS151D		K-FDS201D		K-FDS251D			
Flexible duct (2 m)			K-FDS102D	K-FDS152D		K-FDS202D		K-FDS252D			
Duct adaptor			—							YDFA25A1	
Duct adaptor: Nominal pipe diameter		mm	—							ϕ250	

PC board adaptor for heater control kit (BRP4A50)

When the installation of an electric heater is required in a cold region, this adaptor with an internal timer function eliminates the complicated timer connecting work that was necessary with conventional heaters.



Notes when installing

- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standard and regulation of each country at site.
- Use a non-inflammable connecting duct to the electric heater. Be sure to allow 2 m or more between the electric heater and the Heat Reclaim Ventilator for safety.
- For the Heat Reclaim Ventilator, use a different power supply from that of the electric heater and install a circuit breaker for each.